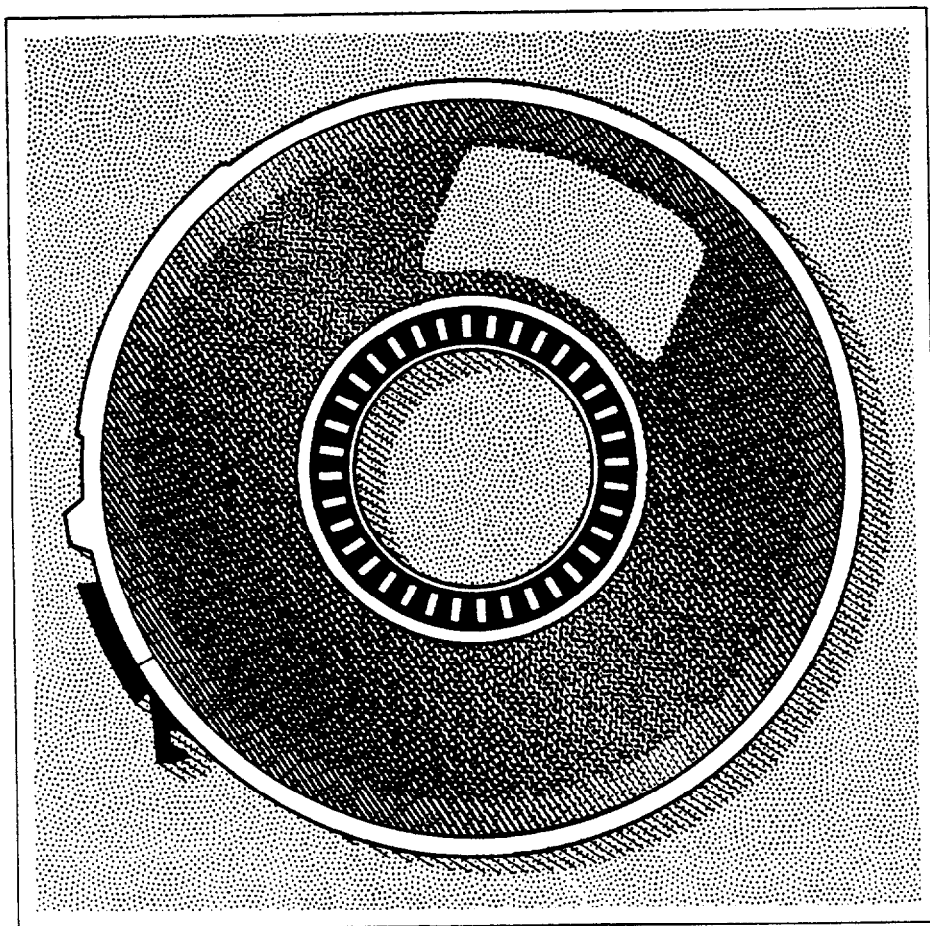


# Public Use Data Tape Documentation

Allergy Skin testing  
Tape Number 5309

National Health and Nutrition Examination Survey, 1976-80



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Public Health Service  
National Center for Health Statistics

Hyattsville, Maryland  
August 1986

## ALLERGY SKIN TESTING, NHANES II

Documentation for Public Use Data Tape

Catalog Number 5309

### Allergy Skin Testing, Ages 6-74 Years

This data tape contains demographic and allergy skin testing data for persons 6 through 74 years of age examined in the second National Health and Nutrition Examination Survey (NHANES II), conducted in 1976-1980 by the National Center for Health Statistics, U.S. Public Health Service.

Peter J. Gergen, Lee Annest, Clyde Rippy and Shirley Gray were responsible for the data compilation and technical review necessary to assemble this tape and construct the documentation. Special advice concerning allergy testing was provided by Paul Turkeltaub, M.D., and assistance in data preparation was given by Chuck Roberts, Chris Wolf and Jim Mossiman, Bureau of Biologics, Food and Drug Administration. Preparation of drafts and final copy was accomplished by Sandra Payne and Carol Alexander.

NCHS PUBLIC USE TAPES

Public use data tapes from the National Center for Health Statistics (NCHS) for all NHANES II components will be released as soon as the data have been compiled and documented. NHANES II data tapes are available for purchase from:

National Technical Information Service (NTIS)  
5285 Port Royal Road  
Springfield, Virginia 22161

(703) 487-4650

A list of NCHS public use data tapes that can be purchased from NTIS can be obtained from:

Scientific and Technical Information Branch  
National Center for Health Statistics  
Center Building, Room 1-57  
3700 East-West Highway  
Hyattsville, Maryland 20782

(301) 436-8500

## USE OF NCHS DATA TAPES

The National Center for Health Statistics requests the cooperation of recipients of data tapes in certain actions related to their use.

Any publication based on the data should acknowledge NCHS as the original source. It should include a disclaimer which credits the authors for any analyses, interpretations, or conclusions, and not NCHS, which is responsible only for the data.

Users who wish to publish a technical description of the data should make a reasonable effort to insure that the description is consistent with that published by NCHS. This does not mean, however, that NCHS will review such descriptions.

NCHS would appreciate receiving reprints of journal articles or other publications based upon findings from the NHANES II survey. Please send them to the address below.

The data tapes have been carefully edited. Some of the continuous data items have extremely high or low values. It has been verified that the values appear that way on the original interview documents; that is, it has been verified that the values have not resulted from incorrect keypunching. Within each data tape numerous consistency checks have been performed. However, due to the large volume of data collected in the survey, it is likely that a small number of errors or discrepancies remain undetected. NCHS would like to be informed if any such errors are detected so that errata sheets can be issued to previous purchasers and corrections made to a new data tape, if appropriate. Please contact:

Division of Health Examination Statistics  
National Center for Health Statistics  
Center Building, Room 2-58  
3700 East-West Highway  
Hyattsville, Maryland 20782  
(301) 436-7068

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## I. NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY (NHANES II)

### A. HISTORY AND SCOPE

1. Description of Survey: NHANES II was one of a series of population based surveys conducted by the National Center for Health Statistics to help determine the health status of the Nation. Data were collected through response to questionnaires on medical history, food consumption, and health-related behavior. Data also were collected through direct medical examination. The tape documented here contains data from the demographic and allergy testing parts of the survey for persons 6 through 74 years of age. A detailed description of the design, content, questionnaires, and operation of NHANES II is provided in the following report: Plan and Operation of the Second National Health and Nutrition Examination Survey, 1976-1980, DHHS Pub. No. (PHS) 81-1317, Vital and Health Statistics Series 1, No. 15, Public Health Service, available at cost from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The stock number is 017-022-00752-5. One copy is provided with the documentation herein, and a general summary of the data collection techniques and content is given in the Appendix.
2. Target Population: NHANES II was conducted on a nationwide probability sample of approximately 28,000 persons 6 months through 74 years of age from the civilian, noninstitutionalized population of the United States. The survey started in February 1976 and was completed in February 1980. The NHANES II sample was selected so that certain population groups thought to be at high risk of malnutrition (persons with low incomes, preschool children, and the elderly) were oversampled. Adjusted sampling weights were then computed for 76 age, sex, and race categories to inflate the sample in such a manner as to closely reflect the estimated civilian, noninstitutionalized U.S. population 6 months through 74 years of age at the midpoint of the survey (March 1, 1978).

## B. SAMPLE DESIGN AND RECOMMENDATIONS FOR ANALYSIS

NHANES II uses a multistage sample designed to represent the civilian, noninstitutionalized population of the United States, 6 months through 74 years of age. Since the sample is not a simple random one and certain population groups were oversampled, it is necessary to incorporate the person's sample weight for proper analysis of the data. The sample weight is a composite of the individual selection probability, adjustments for nonresponse, and poststratification adjustments.

NHANES II provides information on 20,322 individuals who were both interviewed and examined, and on another 4,964 individuals who were interviewed but not examined, in the age range 6 months through 74 years of age. In addition to the general examination components, several more detailed examinations were performed on subsamples of the population. Therefore, instead of there being one sample weight per person, there are several sample weights for each person. For a person not selected for a particular subsample, the associated subsample weight is zero. When analyzing the special subsamples, the analyst must be careful to select the appropriate sampling weight from the weights found in tape locations 282-317. For a more complete description of how the sample weights are calculated, see the detailed note section of this documentation. This file contains data on all 16,204 examined persons 6 through 74 years of age.

The NHANES II data were collected using a complex sample design involving both clustering and stratification. Because of the complex design and the ratio adjustments applied to the sample weights, the direct application of standard statistical analysis methods for variance estimation and hypothesis testing may be very misleading. The modification of statistical analysis procedures to incorporate the effects of complex survey designs is an important area of research;

however, the current methodologies appropriate for the analysis of data from such surveys have not been made readily available in the standard packaged statistical software.

There are computer programs available which provide the capability of variance estimation for complex sample designs. The balanced repeated replication approach <sup>1</sup> is utilized in &REPERR &PSALMS to calculate the variance-covariance matrix. Both routines are available within the OSIRIS IV library.<sup>2</sup> SURREGR<sup>3</sup> and SUPERCARP<sup>4</sup> are programs that calculate the variance-covariance matrix using the linearization approach <sup>5</sup> (Taylor series expansion). Another program, SESUDAAN,<sup>6</sup> calculates variances and design effects. SURREGR and SESUDAAN are special procedures for the SAS package, which is available from SAS Institute, Box 8000, Carey, N.C., 27511.

In order to provide the user with the capability of estimating the complex sample variances in the NHANES II data using the above procedures, Strata and Pseudo Primary Sampling Unit (PSU) codes have been provided on all data tapes in positions 324-326. These variables and the sample weights are necessary for the calculation of variances.

Even though the overall number of examined persons in this survey is quite large for statistical inference purposes, subclass analyses can lead to estimators that are unstable, particularly estimates of variances. Consequently, analyses of subclasses require that the user pay particular attention to the coefficient of variation for the estimates of means, proportions and totals. In addition, small sample sizes, or a small number of PSU's used in the variance calculations, may produce unstable estimates of the variances using the above computer programs.

An NCHS publication discusses these issues and describes analytic strategies for examining various hypotheses for the first National Health and Nutrition Examination Survey (NHANES I), which used a similar type of complex sample design.<sup>7</sup>



## II. ALLERGY SKIN TESTING, AGES 6-74 YEARS

### A. DESCRIPTION

This data tape contains demographic and allergy skin testing data for all examined persons 6 through 74 years of age. Skin tests were given to determine the number of positive reactions to eight allergens, one diluent and one histamine. For positive reactions, the type and size of the reaction were recorded.

### B. DEMOGRAPHIC DATA COLLECTION

An advance letter, announcing the forthcoming arrival of an interviewer from the U.S. Bureau of the Census, was mailed to each household that fell into the NHANES II probability sample. The interviewer subsequently visited the household to ascertain its composition, select the sample person(s), and administer demographic and medical history questionnaires. Demographic information relating to the household, the housing unit, and each sample person 6 through 11 years of age was obtained from an available and competent household respondent. (In contrast, the preferred respondent for the medical information for persons 12 through 74 years of age was the actual sample person, with proxy response accepted when the sample person was not available.)

#### C. ALLERGY SKIN TESTING DATA COLLECTION

Allergy skin testing was conducted at the time of the medical examination. Skin tests were given to sample persons ages 6 through 74 years who consented - see Appendix B for details. The examiner was instructed to record the length and width of the wheal and of the flare at 10 minutes (first reading) and 20 minutes (second reading) after inoculation with the allergen. The "wheal" is distinguished as a raised area in the middle of the reaction and the "flare" is the reddish area, or erythema, around the wheal. Sometimes there can be a wheal without a flare and vice versa. Skin tests were conducted under standardized conditions with care for the stability of the allergens throughout the four-year survey period.

Tape users are referred to a NCHS publication which examined reactivity found in this study and problems associated with the data collection for further details--Series 11-No. 235 Percutaneous Immediate Hypersensitivity to Eight Selected Allergens in the Civilian Noninstitutionalized Population Ages 6-74 Years, United States, 1976-80.<sup>8</sup> Another NCHS publication describes the complete operational protocol including a copy of the allergy skin testing recording form used during the survey.<sup>9</sup>

#### D. DATA EDITING

Preliminary editing of the allergy testing forms was done by the Bureau of Biologics, Food and Drug Administration, which then delivered the data to NCHS on punched cards. NCHS personnel verified and corrected, to the extent possible, problematic data and did further edits for consistency, completeness, and accuracy of the data against microfilm records of the original questionnaire where needed.

### III. TAPE CHARACTERISTICS AND DESCRIPTION

#### A. TAPE CHARACTERISTICS

Title:	Allergy Skin Testing, Ages 6-74 Years
Catalog Number:	5309
Data Set Name:	HEHANES2.DU530901
Record Length:	700
Blocksize:	3500
Density:	1600 BPI
Number of Records:	16,204
Number of Reels:	1
Recording Mode:	Fixed Block, EBCDIC
Channel:	9 Track
Created by:	Division of Health Examination Statistics National Center for Health Statistics Hyattsville, Maryland

## B. INDEX TO TAPE POSITIONS

### 1. Demographic Section

### Tape Positions

#### a. Residence Data

Sample Sequence Number.....	1- 5
Catalog Number (5371-for Demographic Data only).....	6- 9
Unused position.....	10
Size of place.....	11
SMSA-not SMSA.....	12
Unused positions.....	13-23
Type of living quarters.....	24
Land usage.....	25
If rural, asked does this place have 10 acres or more?.....	26
If 10 acres or more, asked if in the last 12 months did sales of farm produce and livestock amount to \$50 or more?.....	27
If less than 10 acres, asked if in the last 12 months did sales of farm produce and live stock amount to \$250 or more?.....	28
Unused position.....	29
Total number of persons in household.....	30-31
Total number of sample persons in household.....	32-33

#### b. Sample Person Data

Unused position.....	34
Family relationship.....	35
Examination status.....	36
Family unit number.....	37-41
Unused positions.....	42-46
Age-years (at interview).....	47-48
Unused positions.....	49-50
Date of birth-month.....	51-52
Date of birth-year.....	53-54
Sex.....	55
Race.....	56
In what State was he/she born?.....	57-58
Is he/she married, widowed, divorced, separated or never married?.....	59
National origin or ancestry.....	60-61
Education level.....	62-63
Grade completed.....	64
What was he/she doing during most of the past 12 months?.....	65
What was he/she doing?.....	66
Did he/she work at a job or business at any time during the past three months?.....	67
Did he/she work full or part-time when working?.....	68

Demographic Section (Cont.)

Sample Person Data (Cont.)

Tape Positions

Was he/she working within last two weeks not counting work around the house?.....	69
Even though he/she did not work, does he/she have a job or business?.....	70
Was he/she looking for work or on layoff from a job?.....	71
Which - looking for work or on layoff from a job?.....	72
What kind of industry or business is this?.....	73-75
What kind of work was he/she doing?.....	76-78
Was he/she in private company or business or working for individual for wages, salary or commission?.....	79
Did he/she ever serve in the armed forces of the U.S.?.....	80
When did he/she serve?.....	81
Unused positions.....	82-90

c. Household Data

How many rooms are in this?.... Count the kitchen, but not the bath.....	91
How many bedrooms are in this?.....	92
Do you have complete kitchen facilities in your living quarters, that is a kitchen sink with piped water, a refrigerator and a range or cookstove? (Asked only of unrelated household members.).....	93
Do you have access to complete kitchen facilities in this house?.....	94
Do you have access to a range or cookstove?.....	95
Do you have access to a refrigerator?.....	96
Do you have access to a sink with piped water?.....	97
Is there piped water in this house (these living quarters)?.....	98
Is there both hot and cold water?.....	99
Are these kitchen facilities used by anyone not living in this household?.....	100
What is the main type of heating system you have?.....	101-102
Do you have air conditioning?.....	103
How many motor vehicles are owned or regularly used for transportation by members of your family?.....	104
Is any language other than English spoken by family members living here?.....	105
What language?.....	106
Which of these income groups represents your total combined family income for the past 12 months?.....	107-108

Demographic Section (Cont.)

Household Data (Cont.)

Tape Positions

During the past 12 months, how much money did you and all members of your family receive in wages or salaries before deductions (under \$7,000 only)?.....	109-112
Social security or railroad retirement?.....	113
Unused position.....	114
If yes, how much?.....	115-118
Welfare payments or other public assistance?.....	119
Unused position.....	120
If yes, how much?.....	121-124
Unemployment compensation or workmen's compensation?.....	125
Unused position.....	126
If yes, how much?.....	127-130
Government employee pension or private pensions?.....	131
Unused position.....	132
If yes, how much?.....	133-136
Dividends, interest or rent?.....	137
Unused position.....	138
If yes, how much?.....	139-142
Net income from their own business (nonfarm), professional practice, or partnership?.....	143
Unused position.....	144
If yes, how much?.....	145-148
Net income from a farm?.....	149
Unused position.....	150
If yes, how much?.....	151-154
Veteran's payments?.....	155
Unused position.....	156
If yes, how much?.....	157-160
Alimony, child support or other support from persons not in household?.....	161
Unused position.....	162
If yes, how much?.....	163-166
Any other income?.....	167
Unused position.....	168
If yes, how much?.....	169-172
Total amount.....	173-176
Check Item B - Food stamps available.....	177
Are you certified to participate in the food stamp program?.....	178
Are you buying food stamps now?.....	179
What is the main reason you are not participating in the program?.....	180
Are you certified for commodity distribution program?.....	181

Demographic Section (Cont.)

Household Data (Cont.)

Tape Positions

Are you receiving commodity foods now for your family?.....	182
Why aren't you participating in the program?.....	183
Date of exam.....	184-189
Age in years (at examination).....	190-191
Unused positions.....	192-205
Race-sex recode for sample persons.....	206
Farm, nonfarm recode for sample person.....	207
Interview status.....	208
Region.....	209
Poverty index.....	210-212
Unused positions.....	213-246

d. Head of Household Data

Age in years.....	247-248
Unused positions.....	249-250
Date of birth-month.....	251-252
Date of birth-year.....	253-254
Sex.....	255
Race.....	256
In what State was he/she born?.....	257-258
Is he/she married, widowed, divorced, separated or never married?.....	259
National origin or ancestry?.....	260-261
Education level.....	262-263
Grade completed.....	264
What was he/she doing most of the past 12 months?.....	265
What was he/she doing?.....	266
Did he/she work at job or business during past three months?.....	267
Did he/she work full or part-time when working?.....	268
Did he/she work at any time the last two weeks not counting work around the house?.....	269
Even though he/she did not work, does he/she have a job or business?.....	270
Was he/she looking for work or on layoff from a job?.....	271
Which - looking for work or on layoff from a job?.....	272
Type of industry or business.....	273-275
What kind of work was he/she doing?.....	276-278
Was he/she in private company or business or working for individual for wages, salary or commission?.....	279
Did he/she ever serve in the armed forces of the U.S.?.....	280
When did he/she serve?.....	281

## 2. Sample Weight Section

### Tape Positions

Examined final weight.....	282-287
Medical history interview final weight.....	288-293
Glucose Tolerance Test final examined weight.....	294-299
Lead final examined weight.....	300-305
Carboxyhemoglobin final examined weight.....	306-311
Bile acids final examined weight.....	312-317
Unused positions.....	318-323
Strata code.....	324-325
Pseudo PSU code.....	326
Poverty Non-Poverty Segments.....	327
Unused positions.....	328-400

## 3. Allergy Skin Testing Data Section

Catalog Number.....	401-404
Dummy Records Flag.....	405
Unused positions.....	406-408
Examiner Number.....	409-410
Allergen Manufacturer.....	411
Unused positions.....	412-413
Allergens	
House Dust.....	414-439
Alternaria.....	440-465
Cat.....	466-491
Dog.....	492-517
Ragweed.....	518-543
Oak.....	544-569
Rye Grass.....	570-595
Bermuda Grass.....	596-621
Control (Diluent).....	622-647
Histamine.....	648-673
Unused position.....	674
Valid Test Codes but Missing Measurement Data	
Allergens	
House Dust.....	675-676
Alternaria.....	677-678
Cat.....	679-680
Dog.....	681-682
Ragweed.....	683-684
Oak.....	685-686
Rye Grass.....	687-688
Bermuda Grass.....	689-690
Diluent.....	691-692
Histamine.....	693-694



C. USE OF SPECIAL TERMS

For the demographic data, the term "blank, but applicable", is used to indicate a data item that was to have a response for a sample person but for which no usable data were provided. This includes unanswered data fields, as well as those containing impossible entries: i.e., out-of-range or inconsistent with other entries. The term "blank" refers to data items where the sample person was not supposed to respond to the question.

The notation "see detailed note" is intended to refer the user to the section Detailed Notes. In this section, a comprehensive description of the field is given.

TAPE DESCRIPTION

1. DEMOGRAPHIC DATA

----- TAPE POSITION, ITEM DESCRIPTION, AND CODES -----		----- CONTROL COUNTS -----
RESIDENCE DATA IN POSITIONS 001-034 -----		
POS. 001-005 SAMPLE SEQUENCE NUMBER		
00037-27796.....		16,204
POS. 006-009 CATALOG NUMBER		
5371.....		16,204
POS. 010 UNUSED POSITION		
POS. 011 SIZE OF PLACE (SEE DETAILED NOTE)		
1=URBANIZED AREA WITH 3,000,000 OR MORE.....		2,030
2=URBANIZED AREA 1,000,000 TO 2,999,999.....		2,053
3=URBANIZED AREA WITH 250,000 TO 999,999.....		1,997
4=URBANIZED AREA UNDER 250,000.....		1,487
5=URBAN PLACE 25,000 OR MORE OUTSIDE URBANIZED AREA.....		758
6=URBAN PLACE 10,000-24,999 OUTSIDE URBANIZED AREA.....		753
7=URBAN PLACE 2,500-9,999 OUTSIDE URBANIZED AREA.....		1,257
8=RURAL.....		5,869
POS. 012 SMSA-NOT SMSA (SEE DETAILED NOTE)		
1=IN SMSA, IN CENTRAL CITY.....		4,465
2=IN SMSA, NOT IN CENTRAL CITY.....		4,566
4=NOT IN SMSA.....		7,173
POS. 013-023 UNUSED POSITIONS		

----- TAPE POSITION, ITEM DESCRIPTION, AND CODES -----		CONTROL COUNTS -----
POS. 024 TYPE OF LIVING QUARTERS (QUES. 7)		
1=HOUSING UNIT.....		16,023
2=OTHER UNIT.....		181
POS. 025 LAND USAGE (QUES. 9)		
1=URBAN.....		10,360
2=RURAL.....		5,844
POS. 026 IF RURAL, ASKED DOES THIS PLACE HAVE 10 ACRES OR MORE? (QUES. 11A)		
1=YES.....		1,304
2=NO.....		4,540
9=NOT APPLICABLE.....		10,360
POS. 027 IF 10 ACRES OR MORE, ASKED IF IN THE PAST 12 MONTHS DID SALES OF FARM PRODUCTS AMOUNT TO \$50 OR MORE? (QUES. 11B)		
1=YES.....		770
2=NO.....		534
9=NOT APPLICABLE.....		14,900
POS. 028 IF LESS THAN 10 ACRES, ASKED IF IN THE PAST 12 MONTHS DID SALES OF FARM PRODUCTS AMOUNT TO \$250 OR MORE? (QUES. 11C)		
1=YES.....		148
2=NO.....		4,392
9=NOT APPLICABLE.....		11,664
POS. 029 UNUSED POSITION		
POS. 030-031 TOTAL NUMBER OF PERSONS IN HOUSEHOLD		
01-15 AS GIVEN.....		16,204

-----		-----
TAPE POSITION, ITEM DESCRIPTION, AND CODES		CONTROL
-----		COUNTS
-----		-----
POS. 032-033 TOTAL NUMBER OF SAMPLE PERSONS IN FAMILY		
01-06	AS GIVEN.....	16,204
POS. 034 UNUSED POSITION		
SAMPLE PERSON DATA IN POSITIONS 035-081		
-----		
POS. 035 FAMILY RELATIONSHIP		
1=	HEAD, ONE PERSON LIVING ALONE OR WITH NON-RELATIVES....	2,185
2=	HEAD, TWO OR MORE RELATED PERSONS IN FAMILY.....	4,969
3=	WIFE.....	3,869
4=	CHILD.....	4,574
5=	OTHER RELATIVE.....	573
6=	FOSTER CHILD.....	26
7=	HUSBAND.....	8
POS. 036 EXAMINATION STATUS		
1=	EXAMINED.....	16,204
2=	NOT EXAMINED.....	0
POS. 037-041 FAMILY UNIT SEQUENCE NUMBER		
(SEE DETAILED NOTE)		
00001-21050	AS GIVEN.....	16,204
POS. 042-046 UNUSED POSITIONS		
POS. 047-048 AGE- <sup>Years</sup> <del>YEARS</del> AT INTERVIEW (QUES. 3)		
06-11	YEARS.....	1,725
12-74	YEARS.....	14,479

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 049-050 UNUSED POSITIONS	
POS. 051-052 DATE OF BIRTH-MONTH (QUES. 2)	
01-12 MONTHS.....	16,204
88=BLANK, BUT APPLICABLE.....	0
POS. 053-054 DATE OF BIRTH-YEAR (QUES. 2)	
01-73 YEARS. ....	16,204
88=BLANK, BUT APPLICABLE.....	0
POS. 055 SEX (QUES. 4)	
1=MALE.....	7,840
2=FEMALE.....	8,364
POS. 056 RACE (QUES. 5) (SEE DETAILED NOTE)	
1=WHITE.....	13,841
2=BLACK.....	2,040
3=OTHER.....	323
POS. 057-058 IN WHAT STATE WAS HE/SHE BORN? (QUES. 6) (SEE DETAILED NOTE)	
01-97.....	16,022
88=BLANK, BUT APPLICABLE.....	182
POS. 059 IS HE/SHE NOW MARRIED, WIDOWED, DIVORCED, SEPARATED, OR NEVER MARRIED? (QUES. 7)	
1=UNDER 17.....	3,393
2=MARRIED.....	8,196
3=WIDOWED.....	1,151
4=DIVORCED.....	658
5=SEPARATED.....	332
6=NEVER MARRIED.....	2,437
8=BLANK, BUT APPLICABLE.....	37

----- TAPE POSITION, ITEM DESCRIPTION, AND CODES -----		----- CONTROL COUNTS -----
POS. 060-061 NATIONAL ORIGIN OR ANCESTRY (QUES. 8)		
01=COUNTRIES OF CENTRAL OR SOUTH AMERICA.....		88
02=CHICANO.....		25
03=CUBAN.....		82
04=MEXICAN.....		175
05=MEXICANO.....		53
06=MEXICAN-AMERICAN.....		260
07=PUERTO RICAN.....		138
08=OTHER SPANISH.....		73
09=OTHER EUROPEAN, SUCH AS GERMAN,FRENCH,ENGLISH,IRISH...	11,701	
10=BLACK, NEGRO OR AFRO-AMERICAN.....	1,970	
11=AMERICAN INDIAN OR ALASKAN NATIVE.....	199	
12=ASIAN OR PACIFIC ISLANDER SUCH AS CHINESE,JAPANESE, KOREAN,PHILIPPINO,SAMOAN.....		281
13=ANOTHER GROUP NOT LISTED.....		824
88=BLANK, BUT APPLICABLE.....		335
POS. 062-063 WHAT WAS THE HIGHEST GRADE OR YEAR OF SCHOOL HE/SHE HAS EVER ATTENDED? (QUES. 9A)		
00=NONE (REGARDLESS OF AGE).....		233
21-28=ELEMENTARY GRADES (1-8).....	4,811	
31-34=HIGH SCHOOL (1-4).....	7,297	
41-45=COLLEGE (1-5+).....	3,719	
88=BLANK, BUT APPLICABLE.....	144	
POS. 064 DID HE/SHE FINISH THE GRADE YEAR? (QUES. 9B)		
1=YES.....	10,215	
2=NO.....	5,471	
8=BLANK, BUT APPLICABLE.....	285	
BLANK.....	233	

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 065 WHAT WAS HE/SHE DOING DURING MOST OF THE PAST 12 MONTHS? (QUES. 10A)	
1=WORKING.....	6,667
2=KEEPING HOUSE.....	3,372
3=SOMETHING ELSE.....	2,721
8=BLANK, BUT APPLICABLE.....	51
BLANK.....	3,393
POS. 066 WHAT WAS HE/SHE DOING? (QUES. 10B)	
1=LAYOFF.....	27
2=RETIRED.....	1,179
3=STUDENT.....	966
4=ILL.....	61
5=STAYING HOME.....	96
6=LOOKING FOR WORK.....	98
7=UNABLE TO WORK.....	225
8=BLANK, BUT APPLICABLE.....	51
0=OTHER.....	69
BLANK.....	13,432
POS. 067 DID HE/SHE WORK AT A JOB OR BUSINESS AT ANY TIME DURING THE PAST THREE MONTHS? (QUES. 10C)	
1=YES.....	1,095
2=NO.....	4,998
8=BLANK, BUT APPLICABLE.....	51
BLANK.....	10,060
POS. 068 WHEN HE/SHE WAS WORKING, DID HE/SHE USUALLY WORK FULL OR PART TIME? (QUES. 10D)	
1=FULL TIME.....	6,188
2=PART TIME.....	1,574
8=BLANK, BUT APPLICABLE.....	51
BLANK.....	8,391

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
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POS. 069 DID HE/SHE WORK AT ANY TIME LAST WEEK OR THE WEEK BEFORE NOT COUNTING WORK AROUND THE HOUSE? (QUES. 11A)	
1=YES.....	6,889
2=NO.....	873
8=BLANK, BUT APPLICABLE.....	51
BLANK.....	8,391
POS. 070 EVEN THOUGH HE/SHE DID NOT WORK DURING THAT TIME, DOES HE/SHE HAVE A JOB OR BUSINESS? (QUES. 11B)	
1=YES.....	387
2=NO.....	5,484
8=BLANK, BUT APPLICABLE.....	51
BLANK.....	10,282
POS. 071 WAS HE/SHE LOOKING FOR WORK OR ON LAYOFF FROM A JOB? (QUES. 11C)	
1=YES.....	546
2=NO.....	5,325
8=BLANK, BUT APPLICABLE.....	51
BLANK.....	10,282
POS. 072 WHICH-LOOKING FOR WORK OR ON LAYOFF FROM A JOB? (QUES. 11D)	
1=LOOKING.....	424
2=LAYOFF.....	91
3=BOTH.....	31
8=BLANK, BUT APPLICABLE.....	51
BLANK.....	15,607
POS. 073-075 WHAT KIND OF INDUSTRY OR BUSINESS IS THIS? (QUES. 12B) (SEE DETAILED NOTE)	
017-998 (LAST DIGIT 7,8,9).....	7,701
000=BLANK, BUT APPLICABLE.....	118
BLANK.....	8,385



TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 076-078 WHAT KIND OF WORK WAS HE/SHE DOING? (QUES. 12C) (SEE DETAILED NOTE)	
001-992=OCCUPATION (LAST DIGIT 0-6).....	7,690
000=BLANK, BUT APPLICABLE.....	129
BLANK.....	8,385
POS. 079 WAS HE/SHE AN EMPLOYEE OF A PRIVATE COMPANY, BUSINESS, OR INDIVIDUAL FOR WAGES, SALARY, OR COMMISSION? (QUES. 12E)	
1=PRIVATE.....	5,361
2=A FEDERAL GOVT EMPLOYEE.....	277
3=A STATE GOVT EMPLOYEE.....	443
4=A LOCAL GOVT EMPLOYEE.....	647
5=INCORPORATED-OWN.....	139
6=SELF EMPLOYED (OR FARM).....	775
7=WORKING WITHOUT PAY IN FAMILY BUSINESS OR FARM.....	61
8=NEVER WORKED.....	38
0=BLANK, BUT APPLICABLE.....	78
BLANK.....	8,385
POS. 080 DID HE/SHE EVER SERVE IN THE ARMED FORCES OF THE UNITED STATES? (QUES. 13A)	
1=YES.....	2,243
2=NO.....	10,336
8=BLANK, BUT APPLICABLE.....	232
BLANK.....	3,393
POS. 081 WHEN DID HE/SHE SERVE? (QUES. 13B)	
1=VIETNAM.....	551
2=KOREAN WAR.....	283
3=WORLD WAR II.....	1,101
4=WORLD WAR I.....	3
5=POST VIETNAM.....	10
6=OTHER SERVICE.....	271
8=BLANK, BUT APPLICABLE.....	232
9=DO NOT KNOW.....	24
BLANK.....	13,729
POS. 082-090 UNUSED POSITIONS	

----- TAPE POSITION, ITEM DESCRIPTION, AND CODES -----		----- CONTROL COUNTS -----
HOUSEHOLD DATA IN POSITIONS 091-212 -----		
POS. 091	HOW MANY ROOMS ARE IN THIS...? COUNT THE KITCHEN, BUT NOT THE BATHROOM. (QUES. 14A)	
	0=BLANK, BUT APPLICABLE.....	0
	1=8 ROOMS.....	15,078
	9=9 OR MORE ROOMS.....	1,126
POS. 092	HOW MANY BEDROOMS ARE IN THIS...? (QUES. 14B)	
	0-7 BEDROOMS - MORE THAN 7 BEDROOMS CODED AS 7.....	16,204
POS. 093	ASKED ONLY OF UNRELATED HOUSEHOLD MEMBERS. DO YOU HAVE COMPLETE KITCHEN FACILITIES IN YOUR LIVING QUARTERS, THAT IS, A KITCHEN SINK WITH PIPED WATER, A REFRIGERATOR AND A RANGE OR COOKSTOVE? (QUES. 14C)	
	1=YES.....	135
	2=NO.....	179
	8=BLANK, BUT APPLICABLE.....	0
	BLANK.....	15,890
POS. 094	DO YOU (HAVE/HAVE ACCESS TO) COMPLETE KITCHEN FACILITIES IN THIS HOUSE, THAT IS, A KITCHEN SINK WITH PIPED WATER, A REFRIGERATOR AND A RANGE OR COOKSTOVE? (QUES. 15A)	
	1=YES.....	15,758
	2=NO.....	251
	8=BLANK, BUT APPLICABLE.....	60
	BLANK.....	135
POS. 095	DO YOU (HAVE/HAVE ACCESS TO) A RANGE OR COOKSTOVE? (QUES. 15B)	
	1=YES.....	143
	2=NO.....	108
	8=BLANK, BUT APPLICABLE.....	60
	BLANK.....	15,893

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 096 DO YOU (HAVE/HAVE ACCESS TO) A REFRIGERATOR? (QUES. 15B)	
1=YES.....	172
2=NO.....	79
8=BLANK, BUT APPLICABLE.....	60
BLANK.....	15,893
POS. 097 DO YOU (HAVE/HAVE ACCESS TO) A SINK WITH PIPED WATER? (QUES. 15B)	
1=YES.....	98
2=NO.....	153
8=BLANK, BUT APPLICABLE.....	60
BLANK.....	15,893
POS. 098 IS THERE PIPED WATER IN THIS HOUSE (THESE LIVING QUARTERS)? (QUES. 15C)	
1=YES.....	25
2=NO.....	128
8=BLANK, BUT APPLICABLE.....	60
BLANK.....	15,991
POS. 099 IS THERE BOTH HOT AND COLD WATER? (QUES. 15D)	
1=YES.....	114
2=NO.....	9
8=BLANK, BUT APPPLICABLE.....	60
BLANK.....	16,021
POS. 100 ARE THESE KITCHEN FACILITIES USED BY ANYONE NOT LIVING IN THIS HOUSEHOLD? (QUES. 15E)	
1=YES.....	256
2=NO.....	15,502
8=BLANK, BUT APPPLICABLE.....	60
BLANK.....	386

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 101-102 WHAT IS THE MAIN TYPE OF HEATING SYSTEM YOU HAVE? (QUES. 16)	
11=STEAM OR HOT WATER SYSTEM.....	2,606
12=CENTRAL WARM AIR FURNACE WITH DUCTS TO INDIVIDUAL ROOM OR CENTRAL HEAT PUMP (FORCED AIR).....	7,908
13=BUILT IN ELECTRIC UNITS (PERMANENTLY INSTALLED IN WALL, CEILING, OR BASEBOARD).....	952
14=FLOOR, WALL OR PIPELESS FURNACE.....	1,316
15=CIRCULATING, RADIANT OR ROOM HEATERS, WITH FLUE OR VENT, BURNING GAS, OIL OR KEROSENE.....	1,370
16=CIRCULATING, RADIANT, OR ROOM HEATERS (NOT PORTABLE) WITHOUT FLUE OR VENT BURNING GAS, OIL, OR KEROSENE....	625
17=FIREPLACE OR STOVES BURNING COAL, WOOD, OR COKE.....	571
18=PORTABLE ROOM HEATERS OF ANY KIND.....	321
19=SOME OTHER TYPE.....	213
20=NONE, UNIT IS NOT HEATED.....	216
88=BLANK, BUT APPLICABLE.....	106
POS. 103 DO YOU HAVE AIR CONDITIONING? (QUES. 17)	
1=YES, INDIVIDUAL ROOM UNIT.....	4,918
2=YES, CENTRAL AIR CONDITIONING.....	3,006
3=NO.....	8,201
8=BLANK, BUT APPLICABLE.....	79
POS. 104 HOW MANY MOTOR VEHICLES ARE OWNED OR REGULARLY USED FOR TRANSPORTATION BY MEMBERS OF YOUR FAMILY? (QUES. 18)	
0=NONE.....	1,765
1-8 VEHICLES (MORE THAN 8 CODED AS 8) .....	14,320
9=BLANK, BUT APPLICABLE.....	119
POS. 105 IS ANY LANGUAGE OTHER THAN ENGLISH FREQUENTLY SPOKEN BY FAMILY MEMBERS LIVING HERE? (QUES. 19A)	
1=YES.....	1,630
2=NO.....	14,500
8=BLANK, BUT APPLICABLE.....	74

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
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POS. 106 WHAT LANGUAGE(S)? (QUES. 19B)

0=GERMAN.....	82
1=ITALIAN.....	103
2=FRENCH.....	205
3=POLISH.....	52
4=RUSSIAN.....	18
5=SPANISH.....	801
6=CHINESE.....	35
7=OTHER LANGUAGE.....	321
8=BLANK, BUT APPLICABLE.....	87
9=NOT APPLICABLE.....	14,500

POS. 107-108 WHICH OF THESE INCOME GROUPS REPRESENTS YOUR  
TOTAL COMBINED FAMILY INCOME FOR THE PAST 12  
MONTHS? (QUES. 20) (SEE DETAILED NOTES)

11= UNDER \$ 1,000.....	188
12=\$ 1,000-\$ 1,999.....	314
13=\$ 2,000-\$ 2,999.....	598
14=\$ 3,000-\$ 3,999.....	690
15=\$ 4,000-\$ 4,999.....	663
16=\$ 5,000-\$ 5,999.....	596
17=\$ 6,000-\$ 6,999.....	447
18=\$ 7,000-\$ 9,999.....	2,831
19=\$10,000-\$14,999.....	3,105
20=\$15,000-\$19,999.....	2,403
21=\$20,000-\$24,999.....	1,670
22=\$25,000 AND OVER.....	2,070
88=BLANK, BUT APPLICABLE.....	629

POS. 109-112 DURING THE PAST 12 MONTHS, HOW MUCH MONEY DID  
YOU AND ALL MEMBERS OF YOUR FAMILY RECEIVE IN  
WAGES OR SALARIES BEFORE DEDUCTIONS?  
(QUES. 21)

0000-6999=AMOUNT.....	3,350
8888=BLANK, BUT APPLICABLE.....	775
BLANK.....	12,079

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 113. SOCIAL SECURITY OR RAILROAD RETIREMENT? (QUES. 22A)	
1=YES.....	1,671
2=NO.....	1,906
8=BLANK, BUT APPLICABLE.....	548
BLANK.....	12,079
POS. 114 UNUSED POSITION	
POS. 115-118 IF YES, HOW MUCH?	
0038-6828=AMOUNT.....	1,590
8888=BLANK, BUT APPLICABLE.....	629
BLANK.....	13,985
POS. 119 WELFARE PAYMENTS OR OTHER PUBLIC ASSISTANCE? (QUES. 22B)	
1=YES.....	834
2=NO.....	2,749
8=BLANK, BUT APPLICABLE.....	542
BLANK.....	12,079
POS. 120 UNUSED POSITION	
POS. 121-124 IF YES, HOW MUCH?	
0012-6800=AMOUNT.....	806
8888=BLANK, BUT APPLICABLE.....	570
BLANK.....	14,828
POS. 125 UNEMPLOYMENT COMPENSATION OR WORKMEN'S COMPENSATION (QUES. 22C)	
1=YES.....	252
2=NO.....	3,332
8=BLANK, BUT APPLICABLE.....	541
BLANK.....	12,079

----- TAPE POSITION, ITEM DESCRIPTION, AND CODES -----		----- CONTROL COUNTS -----
POS. 126 UNUSED POSITION		
POS. 127-130 IF YES, HOW MUCH?		
0015-5640=AMOUNT.....		219
8888=BLANK, BUT APPLICABLE.....		574
BLANK.....		15,411
POS. 131 GOVERNMENT EMPLOYEE PENSION OR PRIVATE PENSIONS? (QUES. 22D)		
1=YES.....		254
2=NO.....		3,327
8=BLANK, BUT APPLICABLE.....		544
BLANK.....		12,079
POS. 132 UNUSED POSITION		
POS. 133-136 IF YES, HOW MUCH?		
0036-6000=AMOUNT.....		233
8888=BLANK, BUT APPLICABLE.....		565
BLANK.....		15,406
POS. 137 DIVIDENDS, INTEREST, OR RENT? (QUES. 22E)		
1=YES.....		447
2=NO.....		3,128
8=BLANK, BUT APPLICABLE.....		550
BLANK.....		12,079
POS. 138 UNUSED POSITION		
POS. 139-142 IF YES, HOW MUCH?		
0001-5200=AMOUNT.....		411
8888=BLANK, BUT APPLICABLE.....		586
BLANK.....		15,207

----- TAPE POSITION, ITEM DESCRIPTION, AND CODES -----		----- CONTROL COUNTS -----
POS. 143 NET INCOME FROM THEIR OWN NONFARM BUSINESS, PROFESSIONAL PRACTICE, OR PARTNERSHIP? (QUES. 22F)		
1=YES.....		137
2=NO.....		3,426
3=LOSS.....		14
8=BLANK, BUT APPLICABLE.....		548
BLANK.....		12,079
POS. 144 UNUSED POSITION		
POS. 145-148 IF YES, HOW MUCH?		
0001-6800=AMOUNT.....		121
8888=BLANK, BUT APPLICABLE.....		578
BLANK.....		15,505
POS. 149 NET INCOME FROM A FARM? (QUES. 22G)		
1=YES.....		108
2=NO.....		3,443
3=LOSS.....		25
8=BLANK, BUT APPLICABLE.....		549
BLANK.....		12,079
POS. 150 UNUSED POSITION		
POS. 151-154 IF YES, HOW MUCH?		
0000-6500=AMOUNT.....		108
8888=BLANK, BUT APPLICABLE.....		574
BLANK.....		15,522
POS. 155 VETERAN'S PAYMENTS? (QUES. 22H)		
1=YES.....		218
2=NO.....		3,363
8=BLANK, BUT APPLICABLE.....		544
BLANK.....		12,079



----- TAPE POSITION, ITEM DESCRIPTION, AND CODES -----		----- CONTROL COUNTS -----
POS. 156 UNUSED POSITION		
POS. 157-160 IF YES, HOW MUCH?		
0060-6000=AMOUNT.....		206
8888=BLANK, BUT APPLICABLE.....		556
BLANK.....		15,442
POS. 161 ALIMONY, CHILD SUPPORT, OR CONTRIBUTIONS FROM PERSONS NOT LIVING IN HOUSEHOLD? (QUES. 22I)		
1=YES.....		233
2=NO.....		3,346
8=BLANK, BUT APPLICABLE.....		546
BLANK.....		12,079
POS. 162 UNUSED POSITION		
POS. 163-166 IF YES, HOW MUCH?		
0020-6900=AMOUNT.....		221
8888=BLANK, BUT APPLICABLE.....		558
BLANK.....		15,425
POS. 167 ANY OTHER INCOME? (QUES. 22J)		
1=YES.....		174
2=NO.....		3,406
8=BLANK, BUT APPLICABLE.....		545
BLANK.....		12,079
POS. 168 UNUSED POSITION		
POS. 169-172 IF YES, HOW MUCH?		
0003-6403=AMOUNT.....		166
8888=BLANK, BUT APPLICABLE.....		553
BLANK.....		15,485

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 173-176 TOTAL AMOUNT (QUES. 21 & 22)	
0000-6999=AMOUNT.....	3,207
8888=BLANK, BUT APPLICABLE.....	918
BLANK.....	12,079
POS. 177 CHECK ITEM B	
2=FOOD STAMPS AVAILABLE.....	16,010
4=BOTH FOOD STAMPS AND COMMODITIES.....	194
POS. 178 ARE YOU CERTIFIED TO PARTICIPATE IN THE FOOD STAMP PROGRAM? (QUES. 23A)	
1=YES.....	1,542
2=NO.....	13,817
8=BLANK, BUT APPLICABLE.....	4
9=DON'T KNOW.....	841
POS. 179 ARE YOU BUYING FOOD STAMPS NOW? (QUES. 23B)	
1=YES, REGULARLY.....	1,126
2=YES, OCCASIONALLY.....	66
3=NO.....	327
8=BLANK, BUT APPLICABLE.....	27
BLANK.....	14,658
POS. 180 WHAT IS THE MAIN REASON YOU AREN'T PARTICIPATING IN THE PROGRAM? (QUES. 23C)	
1=NO NEED.....	49
2=NOT ENOUGH MONEY AT THE TIME.....	74
3=NO TRANSPORTATION.....	11
4=PRIDE.....	22
5=OTHER.....	147
8=BLANK, BUT APPLICABLE.....	51
BLANK.....	15,850

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 181 ARE YOU CERTIFIED FOR THE COMMODITY DISTRIBUTION PROGRAM? (QUES. 24A)	
1=YES.....	9
2=NO.....	175
9=DO NOT KNOW.....	10
BLANK.....	16,010
POS. 182 ARE YOU RECEIVING COMMODITY FOODS NOW FOR YOUR FAMILY? (QUES. 24B)	
1=YES, REGULARLY.....	1
2=YES, OCCASIONALLY.....	0
3=NO.....	8
BLANK.....	16,195
POS. 183 WHY AREN'T YOU PARTICIPATING IN THE PROGRAM? (QUES. 24C)	
1=NO NEED.....	3
2=NO TRANSPORTATION.....	1
3=PRIDE.....	1
4=OTHER.....	3
BLANK.....	16,196
POS. 184-185 CONTROL RECORD - DATE OF EXAM MONTH	
01-12.....	16,204
POS. 186-187 CONTROL RECORD - DATE OF EXAM DAY	
01-31.....	16,204
POS. 188-189 CONTROL RECORD - DATE OF EXAM YEAR	
76-80.....	16,204

----- TAPE POSITION, ITEM DESCRIPTION, AND CODES -----		----- CONTROL COUNTS -----
POS. 190-191 AGE IN YEARS (AT EXAMINATION)		
06-75 YEARS.....		16,204
POS. 192-205 UNUSED POSITIONS		
POS. 206 RACE SEX RECODE FOR SAMPLE PERSON (SEE DETAILED NOTE FOR POS. 056)		
1=MALE, WHITE.....		6,726
2=MALE, BLACK.....		942
3=MALE, OTHER.....		172
4=FEMALE, WHITE.....		7,115
5=FEMALE, BLACK.....		1,098
6=FEMALE, OTHER.....		151
POS. 207 FARM, NON-FARM RECODE FOR SAMPLE PERSON (SEE DETAILED NOTE)		
1=FARM.....		918
2=NON-FARM.....		15,286
POS. 208 INTERVIEW STATUS		
1=INTERVIEWED.....		16,204
POS. 209 REGION (SEE DETAILED NOTES)		
1=NORTHEAST.....		3,615
2=MIDWEST.....		4,332
3=SOUTH.....		4,362
4=WEST.....		3,895
POS. 210-212 POVERTY INDEX (X.XX) (SEE DETAILED NOTES)		
001-880 AS GIVEN.....		15,573
999-UNKNOWN.....		631
POS. 213-246 UNUSED POSITIONS		

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
HEAD OF HOUSEHOLD DATA IN POSITIONS 247-281	
POS. 247-248 AGE YEARS AT INTERVIEW (QUES. 3)	
15-99 YEARS (100 OR MORE CODED AS 99).....	16,204
POS. 249-250 UNUSED POSITIONS	
POS. 251-252 DATE OF BIRTH-MONTH (QUES. 2)	
01-12 MONTH.....	16,162
88=BLANK, BUT APPLICABLE.....	42
POS. 253-254 DATE OF BIRTH-YEAR	
00-99 YEAR .....	16,188
88=BLANK, BUT APPLICABLE.....	16
POS. 255 SEX (QUES. 4)	
1=MALE.....	13,037
2=FEMALE.....	3,167
POS. 256 RACE (QUES. 5) (SEE DETAILED NOTE FOR POS. 056)	
1=WHITE.....	13,849
2=BLACK.....	2,038
3=OTHER.....	317
POS. 257-258 IN WHAT STATE WAS HE/SHE BORN? (QUES. 6) (SEE DETAILED NOTE FOR POS. 057-058)	
01-97.....	16,066
88=BLANK, BUT APPLICABLE.....	138

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 259 IS HE/SHE NOW MARRIED, WIDOWED, DIVORCED, SEPARATED, OR NEVER MARRIED? (QUES. 7)	
1=UNDER 17.....	3
2=MARRIED.....	11,949
3=WIDOWED.....	1,396
4=DIVORCED.....	1,011
5=SEPARATED.....	571
6=NEVER MARRIED.....	1,240
8=BLANK, BUT APPLICABLE.....	34
POS. 260-261 NATIONAL ORIGIN OR ANCESTRY? (QUES. 8)	
01=COUNTRIES OF CENTRAL OR SOUTH AMERICA.....	89
02=CHICANO.....	27
03=CUBAN.....	79
04=MEXICAN.....	179
05=MEXICANO.....	64
06=MEXICAN-AMERICAN.....	232
07=PUERTO RICAN.....	149
08=OTHER SPANISH.....	62
09=OTHER EUROPEAN, SUCH AS GERMAN, FRENCH, ENGLISH, IRISH...	11,774
10=BLACK, NEGRO OR AFRO-AMERICAN.....	1,961
11=AMERICAN INDIAN OR ALASKAN NATIVE.....	222
12=ASIAN OR PACIFIC ISLANDER SUCH AS CHINESE, JAPANESE, KOREAN, PHILIPPINO, SAMOAN.....	269
13=ANOTHER GROUP NOT LISTED.....	771
88=BLANK, BUT APPLICABLE.....	326
POS. 262-263 WHAT WAS THE HIGHEST GRADE OR YEAR OF SCHOOL HE/SHE HAS EVER ATTENDED (QUES. 9A)	
00=NONE (REGARDLESS OF AGE).....	125
21-28=ELEMENTARY GRADES (1-8).....	3,441
31-34=HIGH SCHOOL (1-4).....	7,637
41-45=COLLEGE (1-5+).....	4,845
88=BLANK, BUT APPLICABLE.....	156
POS. 264 DID HE/SHE FINISH THE GRADE YEAR? (QUES. 9B)	
1=YES.....	12,027
2=NO.....	3,719
8=BLANK, BUT APPLICABLE.....	333
BLANK.....	125

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 265 WHAT WAS HE/SHE DOING MOST OF THE PAST 12 MONTHS? (QUES. 10A)	
1=WORKING.....	11,298
2=KEEPING HOUSE.....	1,443
3=SOMETHING ELSE.....	3,405
8=BLANK, BUT APPLICABLE.....	55
BLANK.....	3
POS. 266 WHAT WAS HE/SHE DOING? (QUES. 10B)	
1=LAYOFF.....	62
2=RETIRED.....	2,121
3=STUDENT.....	410
4=ILL.....	126
5=STAYING HOME.....	94
6=LOOKING FOR WORK.....	109
7=UNABLE TO WORK.....	402
8=BLANK, BUT APPLICABLE.....	55
0=OTHER.....	81
BLANK.....	12,744
POS. 267 DID HE/SHE WORK AT A JOB OR BUSINESS DURING THE PAST THREE MONTHS? (QUES. 10C)	
1=YES.....	647
2=NO.....	4,201
8=BLANK, BUT APPLICABLE.....	55
BLANK.....	11,301
POS. 268 WHEN HE/SHE WAS WORKING, DID HE/SHE USUALLY WORK FULL OR PART TIME? (QUES. 10D)	
1=FULL TIME.....	10,808
2=PART TIME.....	1,137
8=BLANK, BUT APPLICABLE.....	55
BLANK.....	4,204

TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 269 DID HE/SHE WORK AT ANY TIME LAST WEEK OR THE WEEK BEFORE NOT COUNTING WORK AROUND THE HOUSE? (QUES. 11A)	
1=YES.....	11,032
2=NO.....	913
8=BLANK, BUT APPLICABLE.....	55
BLANK.....	4,204
POS. 270 EVEN THOUGH HE/SHE DID NOT WORK DURING THAT TIME DOES HE/SHE HAVE A JOB OR BUSINESS? (QUES. 11B)	
1=YES.....	503
2=NO.....	4,611
8=BLANK, BUT APPLICABLE.....	55
BLANK .....	11,035
POS. 271 WAS HE/SHE LOOKING FOR WORK OR ON LAYOFF FROM A JOB? (QUES. 11C)	
1=YES.....	531
2=-NO.....	4,583
8=BLANK, BUT APPLICABLE.....	55
BLANK.....	11,035
POS. 272 WHICH-LOOKING FOR WORK OR ON LAYOFF FROM A JOB? (QUES. 11D)	
1=LOOKING.....	369
2=LAYOFF.....	125
3=BOTH.....	37
8=BLANK, BUT APPLICABLE.....	55
BLANK.....	15,618
POS. 273-275 WHAT KIND OF INDUSTRY OR BUSINESS IS THIS? (QUES. 12B) (SEE DETAILED NOTES)	
017-998 (LAST DIGIT 7,8,9).....	11,838
000=BLANK, BUT APPLICABLE.....	222
BLANK.....	4,144



TAPE POSITION, ITEM DESCRIPTION, AND CODES	CONTROL COUNTS
POS. 276-278 WHAT KIND OF WORK WAS HE/SHE DOING? (QUES. 12C) (SEE DETAILED NOTE)	
001-992=OCCUPATION (LAST DIGIT 0-6).....	11,829
000=BLANK, BUT APPLICABLE.....	231
BLANK.....	4,144
POS. 279 WAS HE/SHE AN EMPLOYEE OF A PRIVATE COMPANY, BUSINESS, OR INDIVIDUAL FOR WAGES, SALARY, OR COMMISSION? (QUES. 12E)	
1=PRIVATE.....	8,087
2=A FEDERAL GOVT EMPLOYEE.....	554
3=A STATE GOVT EMPLOYEE.....	614
4=A LOCAL GOVT EMPLOYEE.....	866
5=INCORPORATED-OWN.....	321
6=SELF-EMPLOYED (OR FARM).....	1,488
7=WORKING WITHOUT PAY IN FAMILY BUSINESS OR FARM.....	10
8=NEVER WORKED.....	11
0=BLANK, BUT APPLICABLE.....	109
BLANK.....	4,144
POS. 280 DID HE/SHE EVER SERVE IN THE ARMED FORCES OF THE UNITED STATES? (QUES. 13A)	
1=YES.....	5,829
2=NO.....	10,198
8=BLANK, BUT APPLICABLE.....	174
BLANK.....	3
POS. 281 WHEN DID HE/SHE SERVE? (QUES. 13B)	
1=VIETNAM.....	1,278
2=KOREAN WAR.....	1,111
3=WORLD WAR II.....	2,357
4=WORLD WAR I.....	47
5=POST VIETNAM.....	112
6=OTHER SERVICE.....	856
8=BLANK, BUT APPLICABLE.....	174
9=DO NOT KNOW.....	68
BLANK.....	10,201

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TAPE POSITION, ITEM DESCRIPTION, AND CODES  
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CONTROL  
COUNTS  
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SAMPLE WEIGHT DATA, POSITIONS 282-317  
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(SEE DETAILED NOTE FOR POS. 282-317)

POS. 282-287 EXAMINED FINAL WEIGHT

002000-079634..... 16,204

POS. 288-293 MEDICAL HISTORY INTERVIEW FINAL WEIGHT

001468-071969..... 16,204

POS. 294-299 GLUCOSE TOLERANCE TEST FINAL EXAMINED WEIGHT

003502-084477..... 5,903  
000000..... 10,301

POS. 300-305 LEAD FINAL EXAMINED WEIGHT

004398-084115..... 8,170  
000000..... 8,034

POS. 306-311 CARBOXYHEMOGLOBIN FINAL EXAMINED WEIGHT

003785-110759..... 8,167  
000000..... 8,037

POS. 312-317 BILE ACIDS FINAL EXAMINED WEIGHT

003519-087673..... 4,089  
000000..... 12,115

POS. 318-323 UNUSED POSITIONS

----- TAPE POSITION, ITEM DESCRIPTION, AND CODES -----		----- CONTROL COUNTS -----
POS. 324-325 STRATA		
01-32.....		16,204
POS. 326 PSEUDO PRIMARY SAMPLING UNITS		
1 OR 2.....		16,204
POS. 327 POVERTY/NON-POVERTY SEGMENTS (SEE DETAILED NOTE)		
1 = Non-Poverty		7,853
2 = Poverty		8,351
POS. 328-400 UNUSED POSITIONS		

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
401-404	CATALOG NUMBER: 5309	16,204	Allergy Testing Ages 6-74 years (See Detailed Note)
405	Dummy Records Flag		
	1 - Yes 2 - No	193 16,011	
406-408	Unused Positions		
409-410	Examiner Number		(See Detailed Note)
	1-79	15,887	
	88 - Blank, but applicable	316	
	91	1	
411	Nelco versus Greer Antigen		(See Detailed Note)
	1 Nelco-Dual Use Stands	2,964	
	2 Greer-Dual Use Stands	3,024	
	3 Nelco-Single Use Stands	9,032	
	4 Greer-Single Use Stands	1,184	
412-413	Unused Positions		
	<u>House Dust-First Reading</u>		
414-415	Wheal Length (mm)		
	00	14,284	
	01-15	1,244	
	88 - Blank, but applicable	676	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
416-417	Wheal Width (mm)		
	00	14,284	
	01-12	1,244	
	88 - Blank, but applicable	676	
418	Confluent		
	1 - Yes	75	
	2 - No	15,405	
	8 - Blank, but applicable	724	
419-420	Flare Length (mm)		
	00	14,252	
	01-76	1,259	
	88 - Blank, but applicable	693	
421-422	Flare Width (mm)		
	00	14,251	
	01-60	1,251	
	88 - Blank, but applicable	702	
423-424	Minutes		
	4-8 Minutes	9	
	10 Minutes	15,536	
	13-14 Minutes	2	
	88 - Blank, but applicable	657	

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
419-420	Flare Length (mm)		
	00	14,252	
	01-76	1,259	
	88 - Blank, but applicable	693	
421-422	Flare Width (mm)		
	00	14,251	
	01-60	1,251	
	88 - Blank, but applicable	702	
423-424	Minutes		
	4-8 Minutes	9	
	10 Minutes	15,536	
	13-14 Minutes	2	
	88 - Blank, but applicable	657	

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
425-426	Test Results		(See Detailed Note)
	10-20	15,964	
	88 - Blank, but applicable	240	
	<u>House Dust-Second Reading</u>		
427-428	Wheal Length (mm)		
	00	14,063	
	01-15	1,432	
	88 - Blank, but applicable	709	
429-430	Wheal Width (mm)		
	00	14,063	
	01-14	1,432	
	88 - Blank, but applicable	709	
431	Confluent		
	1 - Yes	64	
	2 - No	15,342	
	8 - Blank, but applicable	798	
432-433	Flare Length (mm)		
	00	13,999	
	01-62	1,473	
	88 - Blank, but applicable	732	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
434-435	Flare Width (mm)		
	00	13,999	
	01-55	1,468	
	88 - Blank, but applicable	737	
436-437	Minutes		
	13 Minutes	1	
	20 Minutes	15,520	
	30 Minutes	2	
	88 - Blank, but applicable	681	
438-439	Test Results		(See Detailed Note)
	10-20	15,946	
	88 - Blank, but applicable	258	
	<u>Alternaria-First Reading</u>		
440-441	Wheal Length (mm)		
	00	14,983	
	01-27	565	
	88 - Blank, but applicable	656	
442-443	Wheal Width (mm)		
	00	14,983	
	01-15	565	
	88 - Blank, but applicable	656	



# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
444	Confluent		
	1 - Yes	37	
	2 - No	15,481	
	8 - Blank, but applicable	686	
445-446	Flare Length (mm)		
	00	14,977	
	01-56	562	
	88 - Blank, but applicable	665	
447-448	Flare Width (mm)		
	00	14,977	
	01-53	562	
	88 - Blank, but applicable	665	
449-450	Minutes		
	4-8 Minutes	4	
	10 Minutes	15,547	
	13 Minutes	2	
	88 - Blank, but applicable	651	
451-452	Test Results		(See Detailed Note)
	10-20	15,961	
	88 - Blank, but applicable	243	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
<u>Alternaria-Second Reading</u>			
453-454	Wheal Length (mm)		
	00	14,854	
	01-20	685	
	88 - Blank, but applicable	665	
455-456	Wheal Width (mm)		
	00	14,854	
	01-15	685	
	88 - Blank, but applicable	665	
457	Confluent		
	1 - Yes	41	
	2 - No	15,429	
	8 - Blank, but applicable	734	
458-459	Flare Length (mm)		
	00	14,838	
	01-60	684	
	88 - Blank, but applicable	682	
460-461	Flare Width (mm)		
	00	14,838	
	01-55	682	
	88 - Blank, but applicable	684	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
462-463	Minutes		
	15 Minutes	1	
	20 Minutes	15,544	
	30 Minutes	1	
	88 - Blank, but applicable	658	
464-465	Test Results		(See Detailed Note)
	10-20	15,960	
	88 - Blank, but applicable	244	
	<u>Cat-First Reading</u>		
466-467	Wheal Length (mm)		
	00	15,000	
	01-15	487	
	88 - Blank, but applicable	717	
468-469	Wheal Width (mm)		
	00	15,000	
	01-20	487	
	88 - Blank, but applicable	717	
470	Confluent		
	1 - Yes	32	
	2 - No	15,428	
	8 - Blank, but applicable	744	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
471-472	Flare Length (mm)		
	00	15,025	
	01-65	441	
	88 - Blank, but applicable	738	
473-474	Flare Width (mm)		
	00	15,024	
	01-52	441	
	88 - Blank, but applicable	739	
475-476	Minutes		
	4-8 Minutes	6	
	10 Minutes	15,484	
	13 Minutes	1	
	88 - Blank, but applicable	713	
477-478	Test Results		(See Detailed Note)
	10-20	15,954	
	88 - Blank, but applicable	250	
	<u>Cat-Second Reading</u>		
479-480	Wheal Length (mm)		
	00	14,887	
	01-15	578	
	88 - Blank, but applicable	739	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
481-482	Wheal Width (mm)		
	00	14,887	
	01-12	578	
	88 - Blank, but applicable	739	
483	Confluent		
	1 - Yes	32	
	2 - No	15,389	
	8 - Blank, but applicable	783	
484-485	Flare Length (mm)		
	00	14,886	
	01-55	561	
	88 - Blank, but applicable	757	
486-487	Flare Width (mm)		
	00	14,885	
	01-41	560	
	88 - Blank, but applicable	759	
488-489	Minutes		
	20 Minutes	15,477	
	30 Minutes	1	
	88 - Blank, but applicable	726	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
490-491	Test Results		(See Detailed Note)
	10-20	15,946	
	88 - Blank, but applicable	258	
	<u>Dog-First Reading</u>		
492-493	Wheal Length (mm)		
	00	14,987	
	01-15	502	
	88 - Blank, but applicable	715	
494-495	Wheal Width (mm)		
	00	14,987	
	01-15	502	
	88 - Blank, but applicable	715	
496	Confluent		
	1 - Yes	37	
	2 - No	15,421	
	8 - Blank, but applicable	746	
497-498	Flare Length (mm)		
	00	15,006	
	01-40	455	
	88 - Blank, but applicable	743	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NH SO
499-500	Flare Width (mm)		
	00	15,006	
	01-42	453	
	88 - Blank, but applicable	745	
501-502	Minutes		
	4-8 Minutes	6	
	10 Minutes	15,488	
	13 Minutes	1	
	88 - Blank, but applicable	709	
503-504	Test Results		(S
	10-20	15,949	
	88 - Blank, but applicable	255	
	<u>Dog-Second Reading</u>		
505-506	Wheal Length (mm)		
	00	14,858	
	01-15	597	
	88 - Blank, but applicable	749	
507-508	Wheal Width (mm)		
	00	14,858	
	01-15	596	
	88 - Blank, but applicable	750	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
509	Confluent		
	1 - Yes	39	
	2 - No	15,359	
	8 - Blank, but applicable	806	
510-511	Flare Length (mm)		
	00	14,860	
	01-40	576	
	88 - Blank, but applicable	768	
512-513	Flare Width (mm)		
	00	14,860	
	01-40	575	
	88 - Blank, but applicable	769	
514-515	Minutes		
	20 Minutes	15,471	
	30 Minutes	1	
	88 - Blank, but applicable	732	
516-517	Test Results		(See Detailed Note)
	10-20	15,931	
	88 - Blank, but applicable	273	



## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
	<u>Ragweed-First Reading</u>		
518-519	Wheal Length (mm)		
	00	13,843	
	01-31	1,644	
	88 - Blank, but applicable	717	
520-521	Wheal Width (mm)		
	00	13,843	
	01-23	1,644	
	88 - Blank, but applicable	717	
522	Confluent		
	1 - Yes	125	
	2 - No	15,276	
	8 - Blank, but applicable	803	
523-524	Flare Length (mm)		
	00	13,830	
	01-74	1,612	
	88 - Blank, but applicable	762	

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
525-526	Flare Width (mm)		
	00	13,830	
	01-66	1,600	
	88 - Blank, but applicable	774	
527-528	Minutes		
	4-8 Minutes	11	
	10 Minutes	15,487	
	13-14 Minutes	2	
	88 - Blank, but applicable	704	
529-530	Test Results		(See Detailed Note)
	10-20	15,958	
	88 - Blank, but applicable	246	
	<u>Ragweed-Second Reading</u>		
531-532	Wheal Length (mm)		
	00	13,506	
	01-30	1,926	
	88 - Blank, but applicable	772	
533-534	Wheal Width (mm)		
	00	13,506	
	01-30	1,925	
	88 - Blank, but applicable	773	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
535	Confluent		
	1 - Yes	153	
	2 - No	15,078	
	8 - Blank, but applicable	973	
536-537	Flare Length (mm)		(See Detailed Note)
	00	13,501	
	01-72	1,898	
	88 - Blank, but applicable	803	
	99 - Greater than 100 mm	2	
538-539	Flare Width (mm)		
	00	13,501	
	01-70	1,877	
	88 - Blank, but applicable	826	
540-541	Minutes		
	20 Minutes	15,453	
	30 Minutes	2	
	88 - Blank, but applicable	749	
542-543	Test Results		(See Detailed Note)
	10-20	15,919	
	88 - Blank, but applicable	285	

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
	<u>Oak-First Reading</u>		
544-545	Wheal Length (mm)		
	00	14,615	
	01-22	919	
	88 - Blank, but applicable	670	
546-547	Wheal Width (mm)		
	00	14,615	
	01-20	919	
	88 - Blank, but applicable	670	
548	Confluent		
	1 - Yes	110	
	2 - No	15,383	
	8 - Blank, but applicable	711	
549-550	Flare Length (mm)		
	00	14,620	
	01-59	884	
	88 - Blank, but applicable	700	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
551-552	Flare Width (mm) 00 01-65 88 - Blank, but applicable	14,619 883 702	
553-554	Minutes 4-8 Minutes 10 Minutes 13-15 Minutes 88 - Blank, but applicable	7 15,540 2 655	
555-556	Test Results 10-20 88 - Blank, but applicable	15,956 248	(See Detailed Note)
<u>Oak-Second Reading</u>			
557-558	Wheal Length (mm) 00 01-22 88 - Blank, but applicable	14,448 1,036 720	
559-560	Wheal Width (mm) 00 01-23 88 - Blank, but applicable	14,448 1,036 720	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
561	Confluent		
	1 - Yes	136	
	2 - No	15,273	
	8 - Blank, but applicable	795	
562-563	Flare Length (mm)		
	00	14,416	
	01-78	1,052	
	88 - Blank, but applicable	736	
564-565	Flare Width (mm)		
	00	14,416	
	01-64	1,049	
	88 - Blank, but applicable	739	
566-567	Minutes		
	15 Minutes	1	
	20 Minutes	15,511	
	30-35 Minutes	2	
	88 - Blank, but applicable	690	
568-569	Test Results		(See Detailed Note)
	10-20	15,928	
	88 - Blank, but applicable	276	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
	<u>Rye Grass-First Reading</u>		
570-571	Wheal Length (mm)		
	00	14,056	
	01-35	1,461	
	88 - Blank, but applicable	687	
572-573	Wheal Width (mm)		
	00	14,056	
	01-34	1,458	
	88 - Blank, but applicable	690	
574	Confluent		
	1 - Yes	201	
	2 - No	15,248	
	8 - Blank, but applicable	755	
575-576	Flare Length (mm)		
	00	14,098	
	01-74	1,393	
	88 - Blank, but applicable	713	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
577-578	Flare Width (mm)		
	00	14,098	
	01-66	1,362	
	88 - Blank, but applicable	744	
579-580	Minutes		
	4-8 Minutes	8	
	10 Minutes	15,527	
	12-13 Minutes	2	
	88 - Blank, but applicable	667	
581-582	Test Results		(See Detailed Note)
	10-20	15,945	
	88 - Blank, but applicable	259	
	<u>Rye Grass-Second Reading</u>		
583-584	Wheal Length (mm)		
	00	13,739	
	01-35	1,736	
	88 - Blank, but applicable	729	
585-586	Wheal Width (mm)		
	00	13,739	
	01-43	1,734	
	88 - Blank, but applicable	731	



# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
587	Confluent		
	1 - Yes	246	
	2 - No	15,070	
	8 - Blank, but applicable	888	
588-589	Flare Length (mm)		(See Detailed Note)
	00	13,795	
	01-85	1,648	
	88 - Blank, but applicable	759	
	99 - Greater than 100 mm	2	
590-591	Flare Width (mm)		
	00	13,793	
	01-87	1,601	
	88 - Blank, but applicable	810	
592-593	Minutes		
	15 Minutes	1	
	20 Minutes	15,498	
	30 Minutes	1	
	88 - Blank, but applicable	704	
594-595	Test Results		(See Detailed Note)
	10-20	15,915	
	88 - Blank, but applicable	289	

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
	<u>Bermuda Grass-First Reading</u>		
596-597	Wheal Length (mm)		
	00	14,830	
	01-30	706	
	88 - Blank, but applicable	668	
598-599	Wheal Width (mm)		
	00	14,830	
	01-25	706	
	88 - Blank, but applicable	668	
600	Confluent		
	1 - Yes	114	
	2 - No	15,389	
	8 - Blank, but applicable	701	
601-602	Flare Length (mm)		
	00	14,829	
	01-60	693	
	88 - Blank, but applicable	682	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
603-604	Flare Width (mm)		
	00	14,828	
	01-64	689	
	88 - Blank, but applicable	687	
605-606	Minutes		
	4-8 Minutes	4	
	10 Minutes	15,544	
	13 Minutes	1	
	88 - Blank, but applicable	655	
607-608	Test Results		(See Detailed Note)
	10-20	15,957	
	88 - Blank, but applicable	247	
	<u>Bermuda Grass-Second Reading</u>		
609-610	Wheal Length (mm)		
	00	14,625	
	01-30	884	
	88 - Blank, but applicable	695	
611-612	Wheal Width (mm)		
	00	14,625	
	01-25	883	
	88 - Blank, but applicable	696	

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
613	Confluent		
	1 - Yes	140	
	2 - No	15,307	
	8 - Blank, but applicable	757	
614-615	Flare Length (mm)		
	00	14,643	
	01-72	857	
	88 - Blank, but applicable	704	
616-617	Flare Width (mm)		
	00	14,644	
	01-64	850	
	88 - Blank, but applicable	710	
618-619	Minutes		
	20 Minutes	15,526	
	30 Minutes	1	
	88 - Blank, but applicable	677	
620-621	Test Results		(See Detailed Note)
	10-20	15,942	
	88 - Blank, but applicable	262	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
<u>Control (diluent)-First Reading</u>			
622-623	Wheal Length (mm)		
	00	15,466	
	01-09	66	
	88 - Blank, but applicable	672	
624-625	Wheal Width (mm)		
	00	15,466	
	01-10	65	
	88 - Blank, but applicable	673	
626	Confluent		
	1 - Yes	7	
	2 - No	15,527	
	8 - Blank, but applicable	670	
627-628	Flare Length (mm)		
	00	15,465	
	02-40	69	
	88 - Blank, but applicable	670	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
629-630	Flare Width (mm)		
	00	15,465	
	01-45	69	
	88 - Blank, but applicable	670	
631-632	Minutes		
	4-8 Minutes	4	
	10 Minutes	15,535	
	13 Minutes	1	
	88 - Blank, but applicable	664	
633-634	Test Results		(See Detailed Note)
	10-20	15,950	
	88 - Blank, but applicable	254	
	<u>Control (diluent)-Second Reading</u>		
635-636	Wheal Length (mm)		
	00	15,425	
	01-08	97	
	88 - Blank, but applicable	682	
637-638	Wheal Width (mm)		
	00	15,427	
	01-10	97	
	88 - Blank, but applicable	680	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
639	Confluent		
	1 - Yes	10	
	2 - No	15,506	
	8 - Blank, but applicable	688	
640-641	Flare Length (mm)		
	00	15,419	
	01-42	103	
	88 - Blank, but applicable	682	
642-643	Flare Width (mm)		
	00	15,419	
	01-39	103	
	88 - Blank, but applicable	682	
644-645	Minutes		
	20 Minutes	15,535	
	30 Minutes	1	
	88 - Blank, but applicable	668	
646-647	Test Results		(See Detailed Note)
	10-20	15,953	
	88 - Blank, but applicable	251	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
	<u>Histamine-First Reading</u>		
648-649	Wheal Length (mm)		
	00	4,423	
	01-35	10,463	
	88 - Blank, but applicable	1,318	
650-651	Wheal Width (mm)		
	00	4,424	
	01-39	10,462	
	88 - Blank, but applicable	1,318	
652	Confluent		
	1 - Yes	114	
	2 - No	14,435	
	8 - Blank, but applicable	1,655	
653-654	Flare Length (mm)		
	00	4,831	
	01-75	9,895	
	88 - Blank, but applicable	1,478	



## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
655-656	Flare Width (mm)		
	00	4,832	
	01-82	9,833	
	88 - Blank, but applicable	1,539	
657-658	Minutes		
	2-9 Minutes	12	
	10 Minutes	15,176	
	11-14 Minutes	5	
	88 - Blank, but applicable	1,011	
659-660	Test Results		(See Detailed Note)
	10-20	15,891	
	88 - Blank, but applicable	313	
	<u>Histamine-Second Reading</u>		
661-662	Wheal Length (mm)		
	00	4,263	
	01-33	10,093	
	88 - Blank, but applicable	1,848	
663-664	Wheal Width (mm)		
	00	4,249	
	01-38	10,095	
	88 - Blank, but applicable	1,860	

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
665	Confluent		
	1 - Yes	99	
	2 - No	13,279	
	8 - Blank, but applicable	2,826	
666-667	Flare Length (mm)		
	00	4,715	
	01-79	9,532	
	88 - Blank, but applicable	1,956	
	95	1	
668-669	Flare Width (mm)		
	00	4,708	
	01-65	9,497	
	88 - Blank, but applicable	1,999	
670-671	Minutes		
	10-19 Minutes	5	
	20 Minutes	14,854	
	30 Minutes	1	
	88 - Blank, but applicable	1,344	
672-673	Test Results		(See Detailed Note)
	10-20	15,565	
	88 - Blank, but applicable	639	

## ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES-II DATA SOURCE OR NOTES
674	Unused Position	16,204	
675	House Dust - First Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	3	
	0 - Other	16,201	
676	House Dust - Second Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	4	
	0 - Other	16,200	
677	Alternaria - First Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	3	
	0 - Other	16,201	
678	Alternaria - Second Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	3	
	0 - Other	16,201	

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
679	Cat - First Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	2	
	0 - Other	16,202	
680	Cat - Second Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	4	
	0 - Other	16,200	
681	Dog - First Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	3	
	0 - Other	16,201	
682	Dog - Second Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	7	
	0 - Other	16,197	
683	Ragweed - First Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	6	
	0 - Other	16,198	

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
684	Ragweed - Second reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	6	
	0 - Other	16,198	
685	Oak - First Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	5	
	0 - Other	16,199	
686	Oak - Second Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	7	
	0 - Other	16,197	
687	Rye Grass - First Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	4	
	0 - Other	16,200	
688	Rye Grass - Second Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	3	
	0 - Other	16,201	

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
689	Bermuda Grass - First Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	5	
	0 - Other	16,199	
690	Bermuda Grass - Second Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	5	
	0 - Other	16,199	
691	Diluent - First Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	3	
	0 - Other	16,201	
692	Diluent - Second Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	6	
	0 - Other	16,198	
693	Histamine - First Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes	204	
	0 - Other	16,000	

# ALLERGY TESTING DATA

AGES 6-74 YEARS

TAPE POSITIONS	ITEM DESCRIPTION AND CODES	CONTROL COUNTS	NHANES II DATA SOURCE OR NOTES
694	Histamine - Second Reading - NUMBER WITH VALID TEST CODES BUT ALL MEASUREMENTS MISSING		(See Detailed Note)
	1 - Yes 0 - Other	340 15,864	
695-700	Unused positions		

#### IV. DETAILED NOTES

##### TAPE POSITION 11

##### Size of Place

Size of place classification was derived from the 1970 decennial census of the population. According to the definition used in the 1970 census, the urban population comprised all persons living in (a) places of 2,500 inhabitants or more incorporated as cities, boroughs (except Alaska), villages and towns (except towns in New York, New England States, and Wisconsin), but excluding those persons living in the rural portions of extended cities; (b) unincorporated places of 2,500 inhabitants or more; and (c) other territories included in urbanized areas. The remaining population was classified as rural.

Urban areas are further classified by population size for places within urbanized areas and other places outside urbanized areas.



TAPE POSITION 12

SMSA-Not SMSA

Except in New England, a Standard Metropolitan Statistical Area is basically a county or a group of contiguous counties which contains at least one city of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000. In addition to the county or counties containing such a city or cities, contiguous counties are included in an SMSA if, according to the 1970 census, they are socially and economically integrated with the central city. Each SMSA must include at least one central city, and the complete title of an SMSA identifies the central city or cities. In New England, SMSA's consist of towns and cities, rather than counties.

TAPE POSITIONS 37-41

Family Unit Number

All related sample persons in the same family unit have the same computer-generated family unit code. This will enable analysis of individual family units.

TAPE POSITIONS 56, 206, AND 256

Race

The race of the respondent was marked by observation. The interviewers were instructed to assume that the race of all related persons was the same as the respondent unless otherwise learned. The race categories were "White", "Black" or "Other". If the appropriate category could not be marked by observation, then race was asked. Interviewers were instructed to record persons who responded with something other than White or Black, such as Japanese, Chinese, American Indian, Korean, Hindu, Eskimo, etc. as "Other" and to include Mexicans, Puerto Ricans and other persons of Latin American descent in "White" unless definitely Black, American Indian, or of other nonwhite race.

TAPE POSITIONS 57-58 AND 257-258

United States

<u>Name of Place</u>	<u>Code</u>
Alabama.....	01
Alaska.....	02
Arizona.....	04
Arkansas.....	05
California.....	06
Colorado.....	08
Connecticut.....	09
Delaware.....	10
District of Columbia.....	11
Florida.....	12
Georgia.....	13
Hawaii.....	15
Idaho.....	16
Illinois.....	17
Indiana.....	18
Iowa.....	19
Kansas.....	20
Kentucky.....	21
Louisiana.....	22
Maine.....	23
Maryland.....	24
Massachusetts.....	25
Michigan.....	26
Minnesota.....	27
Mississippi.....	28
Missouri.....	29
Montana.....	30
Nebraska.....	31
Nevada.....	32
New Hampshire.....	33
New Jersey.....	34
New Mexico.....	35
New York.....	36
North Carolina.....	37
North Dakota.....	38
Ohio.....	39
Oklahoma.....	40
Oregon.....	41
Pennsylvania.....	42
Rhode Island.....	44
South Carolina.....	45
South Dakota.....	46
Tennessee.....	47
Texas.....	48

TAPE POSITIONS 57-58 AND 257-258 (cont.)

<u>Name of Place</u>	<u>Code</u>
Utah.....	49
Vermont.....	50
Virginia.....	51
Washington.....	53
West Virginia.....	54
Wisconsin.....	55
Wyoming.....	56

Outlying Areas of the United States

<u>Name of Place</u>	<u>Code</u>	<u>Description</u>
American Samoa	60	U.S. territory in the Pacific
Canal Zone	61	Territory in Panama leased by U.S.
Canton and Enderbury Island	62	Under common US-UK administration
Guam	66	U.S. territory in the Pacific
Johnston Atoll		U.S. territory in the Pacific, includes Sand Island
Midway Islands	71	U.S. territory in the Pacific
Puerto Rico	72	Commonwealth associated with the U.S.
Swan Islands	74	U.S. territory in the Carribean
Trust Territories of the Pacific Islands	75	U.S. administered, includes Caroline, Mariana, and Marshall Island groups
U.S. Miscellaneous Carribean Islands	76	Includes Navassa Islands, Quito Sueno Bank, Roncador Cay, Serrana Bank, Serranilla Bank
U.S. Miscellaneous Pacific Islands	77	Includes Kingman Reef, Howland, Baker and Jarvis Islands, Palmyra Atoll
Virgin Islands	78	U.S. territory in the Carribean
Wake Island	79	U.S. territory in the Pacific

Outside of United States

North America	91
South America	92
Europe	93
Africa	94
Asia	95
Australasia	96
Pacific Islands	97

TAPE POSITIONS 73-75, 76-78, 273-275 AND 276-278

Industry and Occupation Codes

Occupation may be defined as the principal job or business. For this survey, the principal job or business of a respondent is defined in one of the following ways: if the person worked during the two week interview period or had a job or business, the question concerning occupation (or work) applies to the job during that period. If the respondent held more than one job, the question is directed to the one at which the most time was spent. It refers to the one considered most important when equal time is spent at each job. A person who has not begun work at a new job, is looking for work, or is on layoff from work is questioned about the last full-time civilian job. A full-time job is defined as one at which the person spent 35 or more hours per week and which lasted two consecutive weeks or more. A person who has a job but has not yet reported to it or a person who has never had a job or business is classified as a "new worker".

The 1970 census of population Alphabetical Index of Industries and Occupations was used in the coding of both the industry and occupation (Library of Congress Number 74-612012, for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock Number 0301-2283).

TAPE POSITIONS 107-108

Family Income Group

The respondent was handed a card with twelve income ranges listed as Group A to Group L and asked "Which of these income groups represents your total combined family income for the past 12 months, that is, yours, your ...'s, etc? Include income from all sources such as wages, salaries, social security or retirement benefits, help from relatives, rent from property and so forth."

If the respondent answered Group A through G, that is with an income less than \$7,000, then questions 21 and 22 detailing exact sources and amounts of income were asked; otherwise, these questions were skipped.

No effort was made to reconcile amounts reported in detailed questions 21 and 22 with the categorical response to the family income group question. During the survey time period no adjustments to the income groups or \$7,000 value were made to account for inflation.

TAPE POSITION 207

Farm, non-farm

This position contains a recode, which combines data on land use (position 25), size (position 26), and amount of sales of farm produce and livestock (positions 27 and 28).

Code 1: Farm: Rural land (coded 2 in position 25) which consisted of 10 or more acres (coded 1 in position 26) with crop sales of \$50 or more (coded 1 in position 27).

OR

Rural land (coded 2 in position 25) with crop sales of \$250 or more (coded 1 in position 28).

Code 2: Non-farm: All other rural land (coded 2 in position 25) as well as land classified as urban (coded 1 in position 25).



TAPE POSITION 209

Region

The United States was divided into four broad geographic regions of approximately equal population. Those regions, which deviate somewhat from the groups used by the Bureau of Census, are as follows:

<u>Region</u>	<u>States Included</u>
Northeast	Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, and Pennsylvania
South	Delaware, Maryland, District of Columbia, West Virginia, Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, and Arkansas
Midwest	Ohio, Illinois, Indiana, Michigan, Wisconsin, Minnesota, Iowa, Missouri
West	Washington, Oregon, California, Nevada, New Mexico, Arizona, Texas, Oklahoma, Kansas, Nebraska, North Dakota, South Dakota, Idaho, Utah, Colorado, Montana, Wyoming, Alaska, Hawaii

TAPE POSITIONS 210-212

Poverty Index

Income status was determined by the Poverty Income Ratio (PIR). Poverty statistics published in the Bureau of the Census reports<sup>10-14</sup> were based on the poverty index developed by the Social Security Administration (SSA) in 1964. (For a detailed discussion of the SSA poverty standards, see references 15 and 16.) Modifications in the definition of poverty were adopted in 1969.<sup>17</sup> The standard data series in poverty for statistical use by all executive departments and establishments has been established.<sup>18</sup>

The two components of the PIR are the total income of the household (numerator: the median of the income group for incomes \$7,000 and above; the sum of the component parts of the income questions for incomes under \$7,000) and a multiple of the total income necessary to maintain a family with given characteristics on a nutritionally adequate food plan 9-13 (denominator). The dollar value of the denominator of the PIR is constructed from a food plan (economy plan) necessary to maintain minimum recommended daily nutritional requirements. The economy plan is designated by the U.S. Department of Agriculture for "emergency or temporary use when funds are low."

For families of three or more persons, the poverty level was set at three times the cost of the economy food plan. For smaller families and persons living alone, the cost of the economy food plan was adjusted by the relatively higher fixed expenses of these smaller households.

The denominator or poverty income cutoff adjusts the family poverty income maintenance requirements by the family size, the sex of the family head, the age of the family head in families with one or two members, and the place of residence (farm, nonfarm). Annual revisions

of the poverty income cutoffs are based on the changes in the average cost of living as reflected in the Consumer Price Index.

As shown in the tables, the annual income considered to be the poverty level increases as the family size increases. A family with any combination of characteristics and with the same income as shown in the table has been designated as having a PIR or poverty level of 1.0. The same family with twice the income found in the table would have a PIR of 2.0. Ratios of less than 1.0 can be described as "below poverty" and ratios greater than or equal to 1.0, as "at or above poverty".

Poverty thresholds are computed on a national basis only. No attempt has been made to adjust these thresholds for regional, State, or other variations in the cost of living (except for the farm, nonfarm difference). None of the noncash public welfare benefits such as food stamp bonuses are included in the income of the low income families receiving these benefits. PIR has been adjusted by year (see tables) and accounts in some part for inflation.

A. WEIGHTED AVERAGE THRESHOLDS--POVERTY CUTOFFS IN 1976, BY SIZE OF FAMILY AND SEX OF HEAD, BY FARM-NONFARM RESIDENCE

SIZE OF FAMILY UNIT	TOTAL (DOLLARS)	NONFARM			FARM		
		TOTAL (DOLLARS)	MALE HEAD (DOLLARS)	FEMALE HEAD (DOLLARS)	TOTAL (DOLLARS)	MALE HEAD (DOLLARS)	FEMALE HEAD (DOLLARS)
1 person (unrelated individual)...	2 877	2 884	3 016	2 788	2 438	2 532	2 348
14 to 64 years.....	2 954	2 959	3 069	2 840	2 542	2 608	2 413
65 years and over.....	2 720	2 730	2 758	2 722	2 322	2 344	2 313
2 persons.....	3 688	3 711	3 721	3 660	3 128	3 133	3 033
Head 14 to 64 years.....	3 806	3 826	3 846	3 733	3 267	3 271	3 159
Head 65 years and over.....	3 417	3 445	3 447	3 428	2 928	2 928	2 922
3 persons.....	4 515	4 540	4 565	4 414	3 858	3 864	3 734
4 persons.....	5 786	5 815	5 818	5 790	4 950	4 955	4 810
5 persons.....	6 838	6 876	6 884	6 799	5 870	5 871	5 847
6 persons.....	7 706	7 760	7 766	7 709	6 555	6 584	6 607
7 persons or more.....	9 505	9 589	9 622	9 375	8 072	8 068	8 428

B. WEIGHTED AVERAGE THRESHOLDS--POVERTY CUTOFFS IN 1977, BY SIZE OF FAMILY AND SEX OF HEAD, BY FARM-NONFARM RESIDENCE

SIZE OF FAMILY UNIT	TOTAL (DOLLARS)	NONFARM			FARM		
		TOTAL (DOLLARS)	MALE HEAD (DOLLARS)	FEMALE HEAD (DOLLARS)	TOTAL (DOLLARS)	MALE HEAD (DOLLARS)	FEMALE HEAD (DOLLARS)
1 person (unrelated individual)...	3 067	3 075	3 214	2 969	2 588	2 672	2 493
14 to 64 years.....	3 147	3 152	3 267	3 023	2 709	2 776	2 565
65 years and over.....	2 895	2 906	2 936	2 893	2 475	2 495	2 565
2 persons.....	3 928	3 951	3 961	3 907	3 318	3 325	3 176
Head 14 to 64 years.....	4 054	4 072	4 095	3 981	3 466	3 474	3 278
Head 65 years and over.....	3 637	3 666	3 670	3 646	3 128	3 131	3 079
3 persons.....	4 806	4 833	4 860	4 708	4 053	4 110	3 893
4 persons.....	6 157	6 191	6 195	6 162	5 273	5 274	5 213
5 persons.....	7 279	7 320	7 329	7 238	6 247	6 247	6 237
6 persons.....	8 208	8 261	8 268	8 197	7 026	7 026	7 040
7 persons or more.....	10 137	10 216	10 249	9 995	8 708	8 706	8 736

C. WEIGHTED AVERAGE THRESHOLDS--POVERTY CUTOFFS IN 1979, BY SIZE OF FAMILY AND SEX OF HEAD, BY FARM-NONFARM RESIDENCE

SIZE OF FAMILY UNIT	TOTAL (DOLLARS)	NONFARM			FARM		
		TOTAL (DOLLARS)	MALE HEAD (DOLLARS)	FEMALE HEAD (DOLLARS)	TOTAL (DOLLARS)	MALE HEAD (DOLLARS)	FEMALE HEAD (DOLLARS)
1 person (unrelated individual)...	3 302	3 311	3 460	3 196	2 795	2 898	2 650
14 to 64 years.....	3 386	3 392	3 516	3 253	2 913	2 987	2 764
65 years and over.....	3 116	3 127	3 159	3 118	2 661	2 655	2 650
2 persons.....	4 225	4 249	4 258	4 206	3 578	3 582	3 457
Head 14 to 64 years.....	4 363	4 383	4 407	4 286	3 731	3 737	3 614
Head 65 years and over.....	3 917	3 944	3 948	3 923	3 352	3 354	3 313
3 persons.....	5 178	5 201	5 231	5 065	4 413	4 430	4 216
4 persons.....	6 628	6 662	6 665	6 632	5 681	5 683	5 622
5 persons.....	7 833	7 880	7 888	7 806	6 714	6 714	6 700
6 persons.....	8 825	8 891	8 895	8 852	7 541	7 543	7 462
7 persons or more.....	10 926	11 002	11 038	10 765	9 373	9 386	8 813

D. WEIGHTED AVERAGE THRESHOLDS--POVERTY CUTOFFS IN 1979, BY SIZE AND TYPE OF FAMILY AND FARM-NONFARM RESIDENCE

SIZE OF FAMILY UNIT	TOTAL (DOLLARS)	NONFARM			FARM		
		TOTAL (DOLLARS)	FAMILIES WITH FEMALE HLDR, NO HUSBAND PRESENT <sup>1</sup> (DOLLARS)	ALL OTHER FAMILIES <sup>2</sup> (DOLLARS)	TOTAL (DOLLARS)	FAMILIES WITH FEMALE HLDR, NO HUSBAND PRESENT <sup>1</sup> (DOLLARS)	ALL OTHER FAMILIES <sup>2</sup> (DOLLARS)
1 person (unrelated individual)...	3 683	3 689	3 556	3 855	3 139	3 001	3 238
15 to 64 years.....	3 773	3 778	3 619	3 912	3 254	3 076	3 324
65 years and over.....	3 472	3 479	3 469	3 515	2 903	2 948	2 944
2 persons.....	4 702	4 725	4 669	4 737	3 987	3 917	3 991
Householder 15 to 64 years.....	4 858	4 878	4 762	4 905	4 156	4 027	4 163
Householder 65 years and over...	4 364	4 390	4 362	4 394	3 730	3 666	3 732
3 persons.....	5 763	5 784	5 624	5 820	4 917	4 650	4 928
4 persons.....	7 386	7 412	7 381	7 416	6 329	6 261	6 332
5 persons.....	8 736	8 775	8 690	8 785	7 492	7 509	7 451
6 persons.....	9 849	9 914	9 843	9 922	8 424	8 309	8 428
7 persons or more.....	12 212	12 280	12 037	12 322	10 533	10 178	10 547

<sup>1</sup>INCLUDES FEMALE UNRELATED INDIVIDUALS.

<sup>2</sup>INCLUDES MALE UNRELATED INDIVIDUALS.

E. WEIGHTED AVERAGE THRESHOLDS--POVERTY CUTOFFS IN 1980, BY SIZE AND TYPE OF FAMILY, BY FARM-NONFARM RESIDENCE

SIZE OF FAMILY UNIT	TOTAL (DOLLARS)	NONFARM			FARM		
		TOTAL (DOLLARS)	FAMILIES WITH FEMALE HEAD, NO HUSBAND PRESENT <sup>1</sup> (DOLLARS)	ALL OTHER FAMILIES <sup>2</sup> (DOLLARS)	TOTAL (DOLLARS)	FAMILIES WITH FEMALE HEAD, NO HUSBAND PRESENT <sup>1</sup> (DOLLARS)	ALL OTHER FAMILIES <sup>2</sup> (DOLLARS)
1 person (unrelated individual)...	4 184	4 190	4 037	4 379	3 559	3 392	3 680
15 to 64 years.....	4 286	4 290	4 109	4 441	3 693	3 492	3 773
65 years and over.....	3 941	3 949	3 938	3 990	3 359	3 347	3 592
2 persons.....	5 338	5 363	5 316	5 373	4 502	4 302	4 515
Householder 15 to 64 years.....	5 518	5 537	5 415	5 568	4 714	4 497	4 721
Householder 65 years and over...	4 954	4 983	4 946	4 988	4 233	4 185	4 257
3 persons.....	6 539	6 565	6 386	6 608	5 573	5 271	5 587
4 persons.....	8 395	8 414	8 382	8 418	7 170	7 152	7 170
5 persons.....	9 923	9 966	9 878	9 976	8 472	8 373	8 474
6 persons.....	11 215	11 269	11 227	11 274	9 613	9 168	9 625
7 persons or more.....	13 883	13 955	13 767	13 986	11 915	12 133	11 685

<sup>1</sup>INCLUDES FEMALE UNRELATED INDIVIDUALS.

<sup>2</sup>INCLUDES MALE UNRELATED INDIVIDUALS.

## TAPE POSITIONS 292-317

### Sample Weights

A multistage estimation procedure was used to calculate the various NHANES II subsample sample weights that are necessary to use in any analysis of the data. The procedure has three basic components:

1) inflation by reciprocals of the probabilities of selection, 2) adjustment for nonresponse, and 3) poststratification ratio adjustment by age-sex-race. A brief description of each component is as follows:

Inflation by reciprocals of the sampling probabilities. Since the survey utilized a three-stage sample design, there were three probabilities of selection: 1) the probability of selecting the PSU, 2) the probability of selecting a segment and housing unit, and 3) the probability of selecting a sample person.

Adjustment for nonresponse. Estimates from the NHANES II data were adjusted to account for sample persons who were not examined. The estimates were inflated by a multiplication factor calculated within five selected income groups, three age groups, four regions, and standard metropolitan statistical area (SMSA) or non-SMSA. The numerator of these factors was the sum of the weights for sample persons resulting from the reciprocal of the probability of selection, and the denominator was the sum of the weights for examined persons also resulting from the reciprocals of the sampling probabilities.

Poststratification by age-sex-race. The estimates were ratio adjusted within each of 76 age-sex-race cells to an independent estimate, provided by the U.S. Bureau of the Census, of the population of each cell as of March 1, 1978, (approximate mid-point of the survey). The ratio adjustment was a multiplication factor of which the numerator was the U.S. population and the denominator

was the sum of the weights adjusted for nonresponse for examined persons. This ratio estimation process makes the sample more closely representative of the civilian, noninstitutionalized population of the U.S.

Potential bias of nonresponse. Usually a sizeable number of sample persons who initially are willing to complete the household information and some of the medical history questionnaire subsequently will not participate in the examination. This creates the potential for bias if these persons differ from other sample persons with respect to the variables being studied. Intense efforts were undertaken during NHANES II to develop and implement standard procedures and inducements that would reduce the number of nonrespondents and thereby reduce the potential for bias.

The user needs to be aware of and should explore the potential bias for nonresponse in any analysis of the NHANES II data.



TAPE POSITION 405

The term "Dummy Record" refers to a tape record for a respondent who was included in the sample but for whom no allergy test data was received. Although demographic data are available for all respondents, positions 405-694 are filled with 8's for all dummy records.

TAPE POSITION 411

The allergens used in this study were purchased from two different manufacturers--Nelco and Greer. In single use stands only allergens of one manufacturer were used. In dual use stands, even numbered sample persons received Greer allergens and odd numbered sample persons received Nelco allergens.

The comparability of the two batteries of allergens used in this study are fully discussed in Series 11-No. 235--Percutaneous Immediate Hypersensitivity to Eight Selected Allergens in the Civilian Noninstitutionalized Population Ages 6-74 Years: United States, 1976-1980.<sup>8</sup> In summary, the Greer allergens were found to have increased rates of reaction for house dust, oak, and bermuda grass. The Nelco allergen was found to have a higher rate of reactivity for dogs. No differences in reactivity were found for alternaria, cat, ragweed, and rye grass.

TAPE POSITIONS 425-526, 438-439, 451-452, 464-465, 477-478,  
490-491, 503-504, 516-517, 529-530, 542-543, 555-556,  
568-569, 581-582, 594-595, 607-608, 620-621, 633-634,  
646-647, 659-660, 672-673

Test Result Codes and Definitions:

<u>Code</u>	<u>Definition</u>
10	No Reaction
11	Erythema between 5 and 21 mm in diameter--no wheal
12	Erythema larger than 21 mm in diameter--no wheal
13	Wheal without erythema
14	Wheal and erythema
15	Test not given--history of allergies, history of previous allergy testing, history of previous allergy shots, or on allergy medicine
16	Test not given--no histamine
17	Test not given--no reason recorded
18	Test not given--patient refusal, allergic to aspirin, patient ill, dermatitis on arms, etc.
19	No reaction at 20 minutes, data imputed--no reaction to the allergen was recorded at the 10 minute reading but no data was recorded for the 20 minutes reading. We imputed the data for no reaction at 20 minutes
20	Erythema between 1 and 4 mm in diameter--no wheal
88	Blank but applicable ---

TAPE POSITIONS 675-694

A small number of records were found to have a valid test code indicating a reaction to the particular allergen but no measurements for either the wheal or flair were recorded. The measurement fields for these reactions were coded with an eight indicating blank but applicable.

V. APPENDIX A

DATA COLLECTION TECHNIQUES AND CONTENT

The plan developed with respect to the content of NHANES II called for the following:

A. QUESTIONNAIRES COMPLETED IN THE HOUSEHOLD

1. Household questionnaire: This questionnaire included for each household member items on family relationships and certain demographic variables such as age, sex, race, education, occupation, and veteran status. Also obtained were information on selected housing characteristics, family income, and an indication of the family's participation in food stamp programs.
2. Medical history questionnaires:
  - a. For each sample person 6 months-11 years of age  
The questionnaire included items on birth weight, prematurity, congenital conditions, medication, neurological conditions, lead poisoning, accidents, hospital care, disability, diarrhea, pica, vision, and a variety of chronic conditions. In addition, data were collected on allergies, kidney and bladder disease, anemia, speech and hearing, lung and chest conditions and participation in food programs.
  - b. For each sample person 12-74 years of age  
The questionnaire included items on medication, hospital care, tuberculosis, a variety of acute and chronic diseases, tobacco usage, physical activity, weight, height, vision disability, eating and gastrointestinal problems, and participation in food programs. Detailed data were collected on anemia, diabetes, respiratory conditions, hearing and speech, liver and gallbladder conditions, kidney and bladder disease, allergies, hypertension, cardiovascular conditions, stroke and arthritis (stressing middle and upper back and neck problems).

B. QUESTIONNAIRES ADMINISTERED IN THE MOBILE EXAMINATION CENTER

1. Dietary Questionnaires

- a. For each examined person, a 24-Hour Recall was administered by trained dietary interviewers. Specific and quantitative detail of every food or drink consumed during the previous day was recorded and calculated, thus providing estimates of calories, protein, carbohydrates, fat, unsaturated fats, cholesterol, and specific vitamins and minerals consumed.
  - b. For each examined person, a Food Frequency questionnaire was administered to ascertain usual patterns of food consumption. Daily and/or weekly consumption of foods within 26 subgroups were recorded. In addition, data were collected on usual vitamin-mineral supplement usage.
  - c. For each person 12-74 years of age, a Dietary Supplement form was self-administered and reviewed. This form provided information on special diets, recent medications and barriers to purchasing groceries or eating foods; it does not provide information on vitamin/mineral or other supplements to the diet.
2. Health History Supplement, for persons 12 through 74 years of age, included questions on cardiovascular and respiratory conditions, kidney and bladder disease, and arthritis in addition to those asked in the household Medical History. Also included were questions on pesticide exposure, smoking for persons 12 through 17 years of age, and a menstrual and pregnancy history for females.
3. Medications/Vitamin Usage form collected information on the past week's usage of any medicines, vitamins or minerals for all examined persons.
4. Behavior Questionnaire elicited data on behavior which may be associated with coronary heart disease for examined persons 25 through 74 years of age.

C. EXAMINATION BY PHYSICIAN

A physician performed and recorded the results of a medical examination giving special attention to specified findings related to nutrition, to hearing, to the thyroid gland, and to the cardiovascular, respiratory, neurological and musculoskeletal systems.

D. SPECIAL CLINICAL PROCEDURES AND TESTS

A specially trained health technician carried out the following on examined persons in the designated age ranges:

1. Spirometry trials of examined persons 6 through 24 years of age were digitized and recorded on magnetic tape. Various pulmonary function indicators such as FVC (forced vital capacity), FEV<sub>1</sub> (forced expiratory volume in one second), and peak flow rate were subsequently derived from these data.
2. Electrocardiograms were made on examined persons 25 through 74 years of age. Electrocardiographic signals were digitized and recorded on magnetic tape, providing normative data on amplitude, duration, interval and axis measurements and permitting interpretations of heart disease according to the Minnesota classification code.
3. Body Measurements were made on all examinees and included standing height or recumbent length, depending on age; body weight; triceps and subscapular skinfolds; and several other anthropometric measurements.
4. Pure tone audiometry tests were carried out on examined persons between the ages of 4 and 19 years, permitting determination of threshold levels of hearing for frequencies of 500, 1000, 2000, and 4000 Hertz for right and left ears.
5. Speech recording, involving use of tape recording of the subject's repetition of specially developed sentences, was carried out on examined persons between the ages of 4 and 6 years, permitting interpretations as an indication of problems with articulation and language development.

6. Allergy tests, involving skin tests (prick test) with eight common allergens (house dust, alternaria, cat fur, dog fur, ragweed, oak, rye grass, and Bermuda grass). The tests were made on examined persons between the ages of 6 and 74 years, to obtain degrees of skin reaction.

#### E. X-RAYS

For examined persons 25 through 74 years of age, two x-rays were made. No x-rays were taken of pregnant women and no lumbar x-rays were taken on women under 50 years of age.

1. X-rays of the cervical and lumbar spine were taken to provide evidence of osteoarthritis and degenerative disc disease, and an
2. X-ray of the chest was taken to be used in the diagnosis of respiratory diseases and to serve as a measure of left ventricular enlargement.

#### F. URINE TESTS

Tests as follows were performed on casual samples of urine:

1. N-Multistix tests for qualitative protein, glucose, ketones, bilirubin, blood, urobilinogen, pH, and bacteriuria (nitrite test) were done for examined persons 6 through 74 years of age.
2. Urinary sediments, including red cells, white cells, and casts, were measured for a subsample of examined adults 20 through 74 years of age.
3. Gonorrhea cultures of urinary sediments were performed for male and female examined persons 12 through 40 years of age. However, of those females who received the Glucose Tolerance Test (GTT), only those 20 through 24 years had the gonorrhea test performed.
4. Analyses for pesticide residue and metabolite levels were carried out on a subsample of examined persons 12 through 74 years of age, including measures of the body burdens from exposure to alkyl phosphate residues and metabolites, carbamate residues, phenolic compound residues and malathion metabolites.



## G. TESTS ON BLOOD SAMPLES

Samples of blood provide a broad range of information related to health and nutrition. The particular tests performed varied with the specific target condition and age group as described on page 39 of the Series 1, No. 15 program description.<sup>8</sup>

### 1. Glucose tolerance test (GTT)

This test involved collection of blood specimens while in a fasting state as well as at one and two hours after glucose challenge. The test was performed on a subsample of examined adults 20 through 74 years of age to provide estimates of the prevalence of diabetes.

### 2. Tests related to liver function

- a. A post-prandial liver bile acid test was performed to measure the ability of the liver to remove bile acids from the blood. This involved consumption of a food preparation, which induces eventual addition of bile acids to the blood via contraction of the gallbladder, and subsequent collection of blood specimens.
- b. Liver biochemistries performed include bilirubin, SGOT, and alkaline phosphatase tests.

### 3. Anemia-related laboratory tests

The tests made to characterize anemia consisted of protoporphyrin, iron, total iron binding capacity (TIBC), zinc, copper, red cell folates, serum folates, serum ferritin, B<sub>12</sub>, and the determination of abnormal hemoglobin.

### 4. Other nutritional biochemistries

These tests included albumin, Vitamin A, and Vitamin C.

### 5. Serum lipids

Because of their important relevance to cardiovascular disease, determinations were made of cholesterol, triglycerides, and high density lipoprotein (HDL).

6. Biochemistries for body burden from environmental exposures

Determinations were made of body burden levels of lead and pesticide residues and metabolites. Tests were also performed for carboxyhemoglobin which reflects environmental exposure to carbon monoxide and the individual's smoking habits.

7. Hematology

The hematology included determinations of hemoglobin, hematocrit, red blood cell count, white blood cell count and differential leukocyte analysis, and red blood cell morphology and hemoglobin phenotyping.

8. Kidney function

The only quantitative test for kidney function performed on blood samples was the serum creatinine test.

9. Syphilis

The serology determinations for syphilis included qualitative and quantitative ART, a FTA-ABS and MHA-TP.

## APPENDIX B

# ALLERGY TEST

### Equipment

Sponge wipes  
Needles, 25 gauge,  $\frac{3}{8}$ "

#### Allergens

Alternaria  
Bermuda grass  
Cat  
Dog  
House dust  
Mixed long and short ragweed  
Oak  
Perennial rye grass  
Histamine base  
Phosphate buffered saline (control)

### General

The allergy test administered by the health technicians is designed so that constitutional reactions that would necessitate the use of emergency medical procedures will be kept to a minimum. The allergens most likely to cause constitutional reactions are cat, dog, and to a lesser extent ragweed.

### Procedure

#### 1. Before testing

Ask the examinee whether or not he:

- Has ever had even a small positive reaction to a skin test for cat, dog, or ragweed.
- Has a history of allergy to cat, dog, or ragweed.

Write in the examinee's age on the right side of box c. "Sex."

Questions 22-24 on the Medical History for ages 6 months to 11 years and questions 58-60 on the Medical History for ages 12-74 years pertain to the examinee's allergy history.

If there is no indication that the examinee is allergic to cats, dogs, or ragweed or that he is highly sensitive to certain other types of materials, then administer the tests according to the instructions in this chapter.

If the examinee has a history of allergy to cats, dogs, or ragweed, has had a positive reaction to any one of the three, or is known according to the Medical History to be a highly sensitive person, do the allergy test as usual with the following exception. DO NOT administer the cat, dog, or ragweed allergens.

After the 10-minute reading ask the physician to review the examinee's allergy history along with the results of the 10-minute reading for the allergens administered. The physician will decide whether to proceed with the cat, dog, and ragweed testing in total or in part based on either of the following:

- The history of allergy to cats, dogs, and ragweed and the overall sensitivity of the person based on the appropriate items in the medical history.
- The reactions at 10 minutes to the other allergens administered:
  - If less than three of the other allergens show positive reactions, (codes 12, 13, 14) then cat, dog, and ragweed allergens should be administered in the regular fashion in the other arm. (A HISTAMINE REACTION IS NOT TO BE COUNTED AS A POSITIVE).
  - If three or more of the other allergens show positive reactions (12, 13, 14) then cat and dog allergens will not be administered. Ragweed may be administered in the other arm, but with caution. If a wheal (the flat, edematous elevation of the skin) of at least 6 mm in diameter appears, wipe the site immediately and make a reading. Record the time the reading was made under "Minutes" if the reading was made before 10 minutes after the allergen was applied. Read again at 20 minutes even though the wheal area was wiped. If a wheal of at least 6 mm in diameter does not appear before 10 minutes after application, do the usual 10-minute and 20-minute readings.

## 2. Administration of the allergy test

- a. Sponge the inside of either forearm with alcohol and let the arm air-dry.
- b. Use a black marking pen to mark 10 dots, two rows of five each, for the skin pricks. Avoid the vascular areas near the elbows and wrists.
- c. Put a drop of allergen solution next to each dot until all ten solutions have been used. Use small drops of allergens so that they won't run.
- d. Prick the skin under the drops by lifting the skin lightly with a 25 gauge BD needle.
- e. Set the timer for the 10-minute reading as soon as the first prick is made.
- f. When the timer goes off at 10 minutes, immediately reset it for the 20-minute reading and then read the reactions and record the results of the readings for the allergens administered according to the instructions in the next section.
- g. 20 minutes after the first prick read the reactions and record the results for all the allergens administered.

## 3. Reading the reactions and recording the results

For all tests administered complete the Allergy Testing form, Deck No. 309, as follows:

### a. First Reading

#### (1) Time

Normally the first reading is taken 10 minutes after first prick is made. However, in the case of an extreme reaction, safety precautions, the

examinee's needing to leave the exam center, or some other reason, measurements of reactions may have to be done at a time other than the standard time of 10 minutes after the prick. If there is a deviation from 10 minutes, record the time of the reading under "Minutes" and record the reason why across the bottom of the form.

(2) Recording results

(a) For each allergen whose wheal at 10 minutes is 6 mm or more in diameter record the wheal's exact measurements under "Wheal Length" and "Wheal Width." Check under "Confluent" whether or not the reaction from the allergen has run into that of any other allergen. Record also the exact measurements of the flare or erythema (area of redness) surrounding the wheal under "Flare Length" and "Flare Width." Write in under "Test Results" the code that best describes the reaction from that allergen according to the code definitions given at the bottom of the Allergy Testing form. Blot the test areas after the 10-minute reading.

(b) For each allergen whose wheal at 10 minutes is less than 6 mm in diameter, record whether the reaction is confluent or not, measure and record the wheal and flare length and width, and write in the code number which best describes the test results.

(c) Erythema boundary — The distinguishing of the erythema boundary is easy in most cases. Wiping with an alcohol sponge will help in the determination.

In the case of a dark skinned person the boundary is harder to determine. A bright light will help with this problem. Either a 75 watt incandescent or fluorescent bulb can be used. Bright sunlight will help if a lamp is not available. In all cases, before reading wipe with an alcohol sponge.

b. Second Reading

(1) Time

Normally the second reading is taken 20 minutes after the first prick is made. However, in the case of extreme reaction, safety precautions, an examinee's needing to leave the exam center, or some other reason, measurements of reactions may have to be done at a time other than the standard time of 20 minutes after the prick. If there is a deviation from 20 minutes, record the time of the reading under "Minutes" and record the reason why across the bottom of the form.

(2) Recording results

Measure the length and width of each wheal and flare and record the measurements in the appropriate spaces. Also, record whether or not the reaction was confluent with another reaction. Write in the appropriate test result according to the codes at the bottom of the form. If there is no reaction for an allergen, leave every space blank except the space for "Test Results;" record "10" in that space.

c. After the second reading

(1) Wipe the arm clean with alcohol.

(2) Check on the form whether the test was satisfactory or unsatisfactory. If it was unsatisfactory, give reason why.

(3) Don't let the examinee leave the examination center before 30 minutes after the administration of the allergens.

d. Physician's report of findings

In transferring the results of the allergy test to the report of findings use the following translations to make the test result codes correspond to the codes from the "Notes on Tests and Procedures."

<i>Allergy form test result code</i>	<i>Report of findings code</i>
10, 20	0
11	1
12	2
13	3
14	4
15-18	5
19	6

## Emergency Procedure

Generalized reactions to the skin tests are not expected. However, if one does occur it may be sudden and sometimes serious.

Do not wait for full development of an adverse reaction. If the examinee says he feels funny, faint, dizzy, or weak that is the signal to *immediately* notify the physician who will take appropriate action.

The recommended treatment is indicated below and has been excerpted from an article by Sheldon C. Siegel, M.D., as a contribution to "Current Pediatric Therapy."

"At the first sign of an impending anaphylactic reaction, the following drugs should be promptly administered and the described additional measures taken as indicated:

Epinephrine 1:1000, 0.3 to 0.5ml, should be administered either subcutaneously or intramuscularly. If no response is noted within 5 minutes, the dose may be repeated. In the event of severe shock with vascular collapse, 1 ml of 1:1000 epinephrine diluted in 10 ml of saline solution should be administered by slow intravenous injection.

"If the anaphylaxis has been caused by a therapeutic agent injected into an extremity, a tourniquet should be placed proximal to the site to delay absorption, and an additional 0.25 ml of epinephrine injected directly into the previous injection site.

"The administration of epinephrine should be followed immediately by an intramuscular or intravenous injection of an antihistaminic such as diphenhydramine (Benadryl). The dose for an older child should be comparable to that for an adult, 50 mg; for an infant or younger child, use 1 mg/kg, not exceeding 50 mg per dose or 150 mg per day.

"Oxygen administered promptly will minimize the development of hypoxia, which may in itself contribute to vascular collapse and cerebral edema. Vigilance must be kept at all times to make certain the patient has adequate ventilation. Excess secretions should be removed by suction. If the airway becomes completely obstructed by angioedema, intubation or tracheostomy may be necessary."

## Antigen Care

The test antigens should always be refrigerated to maintain their stability. To assure stability throughout a stand the following should be followed:

1. Since 4 fresh vials of each antigen are provided at the beginning of each stand, discard all opened vials midway through the stand and replace with fresh vials which have been refrigerated since the beginning of the stand. At the end of each stand, discard all opened and unopened vials of antigen.
2. During an examination session antigen vials should be kept in special containers at a temperature of between 2° and 4°C.
3. After the last session of each day and after the first session of a split session day, antigens are to be replaced in the refrigerator. Again, the ideal temperature is 2° to 4°C.

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